

**UNITED STATES BANKRUPTCY COURT
SOUTHERN DISTRICT OF NEW YORK**

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In re	: Chapter 11 Case No.
	:
MOTORS LIQUIDATION COMPANY, <i>et al.</i> ,	: 09-50026 (REG)
f/k/a General Motors Corp., <i>et al.</i>	:
	:
Debtors.	: (Jointly Administered)
	:
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SECOND INTERIM APPLICATION OF THE CLARO GROUP, LLC FOR
ALLOWANCE OF COMPENSATION AND REIMBURSEMENT OF
EXPENSES FOR THE PERIOD
OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

Name of Applicant:	<u>The Claro Group, LLC</u>
Authorized to Provide Professional Services to:	<u>Motors Liquidation Company, f/k/a General Motors Corp., et al.</u>
Date of Order Authorizing Employment:	<u>August 3, 2009 (Effective June 1, 2009)</u>
Period for which compensation and Reimbursement are sought:	<u>October 1, 2009 through January 31, 2010</u>
Amount of compensation sought as actual, reasonable, and necessary:	<u>\$652,010.50</u>
Amount of expense reimbursement sought as actual, reasonable, and necessary:	<u>\$9,138.41</u>
Prior Fee Applications:	<u>First Interim Application (\$189,563 fees, \$888.05 expenses) which remains unpaid</u>

THE CLARO GROUP, LLC
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Environmental Management Consultants to the Debtor

UNITED STATES BANKRUPTCY COURT
SOUTHERN DISTRICT OF NEW YORK

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In re	: Chapter 11 Case No.
MOTORS LIQUIDATION COMPANY, et al.,	: 09-50026 (REG)
f/k/a General Motors Corp., et al.	:
Debtors.	: (Jointly Administered)
	:
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SECOND INTERIM APPLICATION OF THE CLARO GROUP, LLC AS
ENVIRONMENTAL MANAGEMENT CONSULTANTS TO THE DEBTORS
FOR ALLOWANCE OF COMPENSATION AND REIMBURSEMENT OF
EXPENSES FOR THE PERIOD OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

The Claro Group, LLC (“Claro”) respectfully files this Second Interim Application for Allowance of Compensation and Reimbursement of Expenses (the “Fee Application”) of Claro as Environmental Management Consultants to Motors Liquidation Company (f/k/a General Motors Corporation) (“GM”) and its affiliated debtors, as debtors in possession (collectively, the “Debtors”), for the period from October 1, 2009 through January 31, 2010 (the “Second Interim Period”). This Fee Application is filed pursuant to §§ 328(a), 330(a) and 331 of Title 11 of the United States Code (the “Bankruptcy Code”), Rule 2016(a) of the Federal Rules of Bankruptcy Procedure (the “Bankruptcy Rules”) and the Local Rules and Orders of this Court. In support of the Application, Claro states:

JURISDICTION AND VENUE

1. On or about August 7, 2009, the Court signed an Order Pursuant to 11 U.S.C. §§ 105(a) and 331 Establishing Procedures for Interim Compensation and Reimbursement of Expenses of Professionals (the “Compensation Procedures Order”) (Docket #3711). The Compensation Procedures Order states, *inter alia*,

“Commencing with the period ending September 30, 2009, and at four month intervals thereafter (the “**Interim Fee Period**”), each of the retained professionals as set forth in paragraphs 3 and 4 herein (the “**Retained Professionals**”) shall file with the Court an application (an “**Interim Fee Application**”) for interim Court approval and allowance, pursuant to sections 330 and 331 of the Bankruptcy Code (as the case may be) of the compensation and reimbursement of expenses requested in the Monthly Statements served during such Interim Fee Period. Each Retained Professional shall file its Interim Fee Application no later than **45 days** after the end of the Interim Fee Period.” [Emphasis in original.]

2. This Court has jurisdiction over this matter pursuant to 28 U.S.C. §§ 157 and 1334. This is a core proceeding pursuant to 28 U.S.C. § 157(b). Venue of the Debtors’ Chapter 11 cases and this Fee Application in this District is proper pursuant to 28 U.S.C. §§ 1408 and 1409.

BACKGROUND

3. On June 1, 2009 (the “Petition Date”), the Debtors filed voluntary petitions for relief under chapter 11 of the Bankruptcy Code. The Debtors continue to operate their businesses and manage their properties as debtors-in-possession pursuant to sections 1107 and 1108 of the Bankruptcy Code.

4. On or about July 21, 2009, the Debtors filed an application (the “Retention Application”) pursuant to 11 U.S.C. §§ 327(a) and 328(a) and Fed. R. Bankr. P. 2014 authorizing the retention and employment of Claro as an environmental management consulting services

provider in connection with these chapter 11 cases, to assist the Debtors in determining the costs of actual and/or potential environmental liabilities arising from the Debtors' prepetition, historic operations. The Debtors sought to employ and retain Claro pursuant to the terms of the agreement between the Debtors and Claro dated and effective as of June 10, 2009 (the "Engagement Letter"). More specifically, Claro has been retained by the Debtors for its environmental management consulting expertise.

5. On or about August 3, the Court entered an Order authorizing the Debtors to retain and employ Claro *nunc pro tunc* to the Petition Date.

COMPENSATION REQUESTED

6. By this Fee Application and in accordance with §§ 328, 330 and 331 of the Bankruptcy Code, Claro request allowance of fees in the amount of \$652,010.50, and ordinary and necessary expenses in the amount of \$9,138.41, for a total amount \$661,148.91.

7. Pursuant to the Compensation Procedures Order, all professionals retained in these cases are authorized to seek, on a monthly basis, compensation for professional services rendered and reimbursement of expenses incurred. In the absence of any objection to the monthly statement of fees and expenses incurred (the "Monthly Statements"), the Debtors can pay 80% of the professional fees requested and 100% of the expenses incurred. A tabulation of fees and expenses incurred, as well as payments received by Claro, for Monthly Statements to date is as follows:

Period Covered	Final Fees	Expenses	80% of Fees	80% of Fees Plus Expenses	Invoice Amount	Payments Received
10/01/09 - 10/31/09	\$ 218,563.50	\$206.21	\$174,850.80	\$175,057.01	\$218,769.71	\$175,057.01
11/01/09 - 11/30/09	\$ 202,137.00	\$15.98	\$161,709.60	\$161,725.58	\$202,152.98	\$161,725.58
12/01/09 - 12/31/09	\$ 144,841.50	\$5,773.73	\$115,873.20	\$121,646.93	\$150,615.23	\$121,646.93
01/01/10 - 01/31/10	\$ 86,468.50	\$3,142.49	\$69,174.80	\$72,317.29	\$89,610.99	\$0.00
Total	\$ 652,010.50	\$9,138.41	\$521,608.40	\$530,746.81	\$661,148.91	\$458,429.52

8. During the Second Interim Period, Claro has sought \$652,010.50, in professional fees and \$9,138.41 for expenses, of which \$452,433.60 in fees and \$5,995.92 in expenses, respectively, has been paid to date by the Debtors in accordance with the Compensation Procedures Order. As of the date of this Fee Application and excluding amounts unpaid under the First Fee Application, Claro is owed \$199,576.90 for professional fees and \$3,142.49 for expenses incurred, which amounts have not yet been paid by the Debtors.

9. Claro has received no payment and no promises of payment from any other source for services rendered or to be rendered in any capacity whatsoever in connection with the matters covered by this Fee Application.

10. There is no agreement or understanding between Claro and any other person for the sharing of compensation to be received for services rendered in this case.

11. Claro submits that this Fee Application complies with sections 330 and 503(b)(1)(A) of Chapter 11 of Title 11 of the Bankruptcy Code, Rule 2016 of the Bankruptcy Rules, the Amended Guidelines for Fees and Expenses for Professionals in Southern District of New York Bankruptcy Cases adopted by the Court on April 19, 1995 (the "Local Guidelines") and the United States Trustee Guidelines for Reviewing Applications for Compensation and Reimbursement of Expenses Filed Under 11 U.S.C. § 330, adopted on January 30, 1996 (the "UST Guidelines" collectively with the Local Guidelines, the "Guidelines").

SUMMARY OF SERVICES PROVIDED

12. Attached as **Exhibit A** is a list of the Claro professionals who worked on the case during the Second Interim Period, along with the titles, and a summary of hours charged for the professionals whose services are being billed in connection with this case. Attached as **Exhibit B** is a summary of hours incurred for each category of work performed by Claro. Attached as **Exhibit C** is a summary of actual out-of-pocket expenses incurred during the Second Interim Period for each category of expenses. Attached as **Exhibit D** are the detailed time entries during the Second Interim Period, for each category of work performed by Claro. Attached as **Exhibit E** is the certification of Douglas H. Deems with respect to the Fee Application pursuant to the Local Guidelines.

13. In accordance with the Retention Application and the Engagement Letter, the following is a detailed description of the major tasks performed during the Second Interim Period. These tasks, and the related hours incurred, are separated into the following matters:

Site-level Decision Tree/Cost Analysis (Task 1--1,355.70 hours)

14. During the Second Interim Period, Claro provided assistance to the Debtors in estimating potential remediation costs associated with 6 major sites utilizing decision-trees and other probabilistic analyses as appropriate. To perform this analysis, Claro worked with MLC and other consultants to MLC (primarily Arcadis) to help develop the structure, probability and magnitude of estimates used as the bases for the decision-tree analyses. These analyses are updated based on development of new information from time to time.

Portfolio-level Cost Analysis (Task 2--133.85 hours)

15. During the Second Interim Period, Claro provided assistance to the Debtors in developing an analysis of portfolio-level costs for the sites in the MLC portfolio that were not

subject to detailed decision-tree analysis. This analysis is updated based on development of new information from time to time.

Discounted Cash Flow Analysis (Task 3--218.50 hours)

16. During the Second Interim Period, Claro provided assistance to the Debtors in providing analysis of discount rates, inflation rates and application of those rates to cash flows associated with the remediation sites for the purpose of calculating present values and inflated cash flows, as appropriate.

Insurance Analysis and Presentation to Insurance Markets (Task 4--132.40 hours)

17. During the Second Interim Period, Claro provided assistance to the Debtors in providing analysis and presentations to certain insurance markets utilizing the decision tree and portfolio analysis, adapted as appropriate, for the purposes of seeking underwriting of remediation and other risks by certain insurance markets.

Presentations and Communications to Stakeholders (Task 5--163.90 hours)

18. During the Second Interim Period, Claro provided assistance to the Debtors in leading and/or participating in meetings with various parties, including various environmental Regulators and their representatives, Creditors and their representatives and Debtors and Debtors' other consultants, for the purpose of discussing decision-tree analyses and portfolio analyses as appropriate.

Steering Committee and Project Management (Task 6--88.60 hours)

19. During the Second Interim Period, Claro provided assistance to the Debtors in working with Debtors' other consultants to plan and respond to project requirements, including development of decision-tree analyses, portfolio analyses and other analyses as appropriate.

Fee Application and Other Job Administration (Task 7--26.80 hours)

20. During the Second Interim Period, in connection with Claro's retention by the Debtors, Claro prepared the First Fee Application and supporting exhibits and declaration. Claro has also provided monthly budgets as requested by the Fee Examiner and has prepared and submitted its invoices in compliance with guidelines as required by the U.S. Trustee.

21. The work performed by Claro was not duplicative of any other retained professional. The work of Claro in this bankruptcy estate is continuing and not complete.

22. Claro submits that the foregoing services were necessary to the administration of this Chapter 11 case, were necessary and beneficial to the Debtors' estates at the time such services were rendered, and were performed without unnecessary duplication of effort or expense. Claro's request for compensation of the foregoing services is reflective of a reasonable and appropriate amount of time expended in performing such services commensurate with the complexity, importance and nature of the problem, issue and task involved.

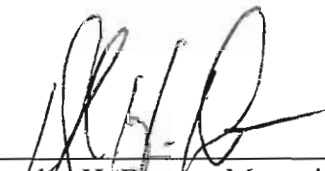
NOTICE

23. Notice of this Fee Application will be provided by counsel for the Debtors pursuant to the Compensation Procedures Order

WHEREFORE, Claro respectfully request that this Court enter an order: (i) allowing Claro's request for compensation in the sum of \$652,010.50 for actual, reasonable and necessary professional services rendered as environmental consultants to the Debtors during the Compensation Period; (ii) directing the Debtors to pay to Claro the full amount of such compensation to the extent not already paid; and (iii) directing the Debtors to reimburse Claro in the amount of \$9,138.41 for actual, reasonable and necessary expenses incurred during the Compensation Period, to the extent not already reimbursed.

Dated: Los Angeles, California
March 17, 2010

THE CLARO GROUP, LLC



Douglas H. Deems, Managing Director
777 S. Figueroa Street, Suite 4050
Los Angeles, CA 90017

*Environmental and Management
Consultants to the Debtors*

MOTOR LIQUIDATION COMPANY, *et al.*
f/k/a General Motors Corp., *et al.*

SUMMARY OF PROFESSIONAL
TIME CHARGES AND FEES
FOR THE PERIOD
OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

EXHIBIT A

Claro's professional services listed below rendered during the Second Interim period of 10/01/09 – 01/31/10 which consists of hours worked, rates and the calculated fees.

NAME	TITLE	HOURS	RATE	AMOUNT
Agostino, Kristy	Consultant	2.50	\$ 165.00	\$ 412.50
Chambers, Marjorie	Admin	3.00	\$ 110.00	\$ 330.00
Deems, Douglas	Managing Director	4.70	\$ 500.00	\$ 2,350.00
Forrester, Andrew	Analyst	260.00	\$ 165.00	\$ 42,900.00
Forrester, Andrew*	Consultant	57.70	\$ 175.00	\$ 10,097.50
Gennity, Kelley	Analyst	4.00	\$ 165.00	\$ 660.00
Hansen, George	Managing Director	419.55	\$ 500.00	\$209,775.00
Killian, Karl	Managing Director	35.00	\$ 450.00	\$ 15,750.00
Ko, Darlene	Senior Consultant	228.50	\$ 215.00	\$ 49,127.50
Krock, Joe	Director	112.40	\$ 395.00	\$ 44,398.00
LaPorte, Tom	Admin	3.50	\$ 260.00	\$ 910.00
Marlowe, Rudd	Director	2.50	\$ 390.00	\$ 975.00
Menees, Rob	Director	214.60	\$ 295.00	\$ 63,307.00
Patti, Maria	Analyst	240.50	\$ 155.00	\$ 37,277.50
Spinks, Tracy	Exp. Manager	35.30	\$ 285.00	\$ 10,060.50
Twellman, Brian	Principal	496.00	\$ 330.00	\$163,680.00
TOTALS		2119.75		\$652,010.50

* Promoted to Consultant effective 1/1/10

Total Fees: \$ 652,010.50

Total Expenses: \$ 9,138.41

Total Fees & Expenses \$ 661,148.91

MOTOR LIQUIDATION COMPANY, *et al.*
f/k/a General Motors Corp., *et al.*

SUMMARY OF PROFESSIONAL
TIME CHARGES AND FEES
FOR THE PERIOD
OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

EXHIBIT B

Claro's summary of hours incurred by category / task code

Task Code	Hours	Amount
<i>Site-level D-Tree Cost Analysis Total</i>	1,355.70	\$ 358,111.00
<i>Portfolio-level Cost Analysis Total</i>	133.85	\$ 41,891.00
<i>Discounted Cash Flow Cost Analysis Total</i>	218.50	\$ 84,047.00
<i>Insurance Analysis/Presentations Cost Analysis Total</i>	132.40	\$ 43,676.00
<i>Presenations/Communications with Stakeholders Cost Analysis Total</i>	163.90	\$ 72,275.00
<i>Steering Committee & Project Management Cost Analysis Total</i>	88.60	\$ 42,534.50
<i>Fee Application & Other Job Administration Cost Analysis Total</i>	26.80	\$ 9,476.00
<i>Grand Total</i>	2,119.75	\$ 652,010.50

MOTOR LIQUIDATION COMPANY, *et al.*
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SUMMARY OF PROFESSIONAL
TIME CHARGES AND FEES
FOR THE PERIOD
OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

EXHIBIT C

Claro's summary of expenses incurred

Expenses			
Oct-09	Meals		\$ 15.10
Oct-09	Express Messenger		\$ 191.11
Nov-09	Travel - Telephone-Internet use		\$ 15.98
Dec-09	Travel - Airfare		\$ 4,112.40
Dec-09	Travel - Hotel/motel		\$ 1,426.55
Dec-09	Travel - Taxi/Car Service		\$ 47.60
Dec-09	Meals		\$ 10.48
Dec-09	Express Messenger Services		\$ 176.70
Jan-10	Travel - Airfare		\$ 2,537.22
Jan-10	Travel - Hotel		\$ 346.61
Jan-10	Travel - Taxi / Car Service		\$ 44.90
Jan-10	Express Messenger		\$ 197.16
Jan-10	Other - Conference Services		\$ 16.60
		Total	\$ 9,138.41

MOTOR LIQUIDATION COMPANY, *et al.*
f/k/a General Motors Corp., *et al.*

SUMMARY OF PROFESSIONAL
TIME CHARGES AND FEES
FOR THE PERIOD
OCTOBER 1, 2009 THROUGH JANUARY 31, 2010

EXHIBIT D

Claro's detailed time entries for each category worked
(continued on next page)

	Service	Staff	Description	Rate	Hours	Amount
Site-level D-Tree Cost Analysis						
10/07/2009	Agostino		Online research re: probabilistic	\$ 165.00	2.50	\$ 412.50
9/23/2009	Forrester		Meeting over GM work, and refresher research into Massena site.	\$ 165.00	2.00	\$ 330.00
10/01/2009	Forrester		Create a decision-tree for Willow Run.	\$ 165.00	2.30	\$ 379.50
10/02/2009	Forrester		Create a decision-tree for Moraine.	\$ 165.00	3.00	\$ 495.00
10/05/2009	Forrester		Participate in Hyatt Clark site call.	\$ 165.00	2.00	\$ 330.00
10/05/2009	Forrester		Work on Syracuse & Willow Run Decision Trees.	\$ 165.00	3.30	\$ 544.50
10/06/2009	Forrester		Participate in Massena site call.	\$ 165.00	2.00	\$ 330.00
10/06/2009	Forrester		Work on various Decision Trees.	\$ 165.00	4.00	\$ 660.00
10/07/2009	Forrester		Participate in Buick City site call.	\$ 165.00	2.00	\$ 330.00
10/07/2009	Forrester		Work on various Decision Trees.	\$ 165.00	3.50	\$ 577.50
10/08/2009	Forrester		Revisions to decision trees, and create site	\$ 165.00	2.50	\$ 412.50
10/09/2009	Forrester		Create a working binder for each site.	\$ 165.00	3.30	\$ 544.50
10/09/2009	Forrester		Incorporate revisions to various decision trees.	\$ 165.00	2.20	\$ 363.00
10/14/2009	Forrester		Incorporate changes to the Moraine Decision Tree.	\$ 165.00	3.00	\$ 495.00
10/14/2009	Forrester		Incorporate changes to the Massena Decision Tree.	\$ 165.00	4.00	\$ 660.00
10/15/2009	Forrester		Work on Massena Decision Tree.	\$ 165.00	3.30	\$ 544.50
10/15/2009	Forrester		Work on Massena Nominal Cash Flows page.	\$ 165.00	3.70	\$ 610.50
10/16/2009	Forrester		Work on Moraine Decision Tree.	\$ 165.00	2.00	\$ 330.00
10/16/2009	Forrester		Work on Moraine Nominal Cash Flows page.	\$ 165.00	2.50	\$ 412.50
10/22/2009	Forrester		Format and print cost spreadsheets.	\$ 165.00	2.00	\$ 330.00
10/22/2009	Forrester		Meet with GM team and formalize/organize site documents on network.	\$ 165.00	2.00	\$ 330.00
10/23/2009	Forrester		Prep and participate on AM site calls.	\$ 165.00	3.30	\$ 544.50
10/23/2009	Forrester		Work on decision trees for Syracuse, Hyatt, and	\$ 165.00	1.00	\$ 165.00
10/26/2009	Forrester		Incorporate changes to Massena Decision Tree.	\$ 165.00	3.30	\$ 544.50
10/26/2009	Forrester		Incorporate changes to Willow Run Decision Tree.	\$ 165.00	1.70	\$ 280.50
10/26/2009	Forrester		Create new decision tree for Massena based on	\$ 165.00	2.30	\$ 379.50
10/27/2009	Forrester		Created costs graphs by state.	\$ 165.00	2.30	\$ 379.50
10/27/2009	Forrester		Reconcile site costs for various sites.	\$ 165.00	2.80	\$ 462.00
10/27/2009	Forrester		Format and print decision trees.	\$ 165.00	2.20	\$ 363.00
10/27/2009	Forrester		Format and print site analysis narratives.	\$ 165.00	2.00	\$ 330.00
10/28/2009	Forrester		Incorporate new edits in site analysis narratives.	\$ 165.00	3.00	\$ 495.00
10/28/2009	Forrester		Incorporate new edits in site decision trees.	\$ 165.00	3.50	\$ 577.50
10/29/2009	Forrester		Re-run @risk results.	\$ 165.00	2.80	\$ 462.00
10/29/2009	Forrester		Work on decision tree/cash flow analysis.	\$ 165.00	4.00	\$ 660.00
10/30/2009	Forrester		Incorporate updates to site analysis narratives.	\$ 165.00	3.10	\$ 511.50
10/30/2009	Forrester		Incorporate updates to cash flow models.	\$ 165.00	2.30	\$ 379.50
10/30/2009	Forrester		Incorporate updates to decision trees.	\$ 165.00	2.80	\$ 429.00
10/01/2009	Hansen		Follow up discussions on methodology w/ B. Twellman	\$ 500.00	0.50	\$ 250.00
10/01/2009	Hansen		Conference call on sites (Willow Run)	\$ 500.00	1.50	\$ 750.00
10/01/2009	Hansen		Follow up discussions on methodology w/ B. Twellman	\$ 500.00	0.50	\$ 250.00
10/02/2009	Hansen		Conference call on sites (Hyatt Clark, Moraine)	\$ 500.00	2.00	\$ 1,000.00
10/02/2009	Hansen		Conf. call on sites (Hyatt Clark, Moraine, Saginaw)	\$ 500.00	2.00	\$ 1,000.00
10/02/2009	Hansen		Review d-tree approach in other bankruptcy	\$ 500.00	2.50	\$ 1,250.00
10/05/2009	Hansen		Review background materials on Hyatt Clark	\$ 500.00	1.00	\$ 500.00
10/05/2009	Hansen		Probabilistic Analysis initial call for Hyatt Clark	\$ 500.00	2.00	\$ 1,000.00
10/05/2009	Hansen		Review/revise decision tree for Hyatt Clark	\$ 500.00	0.80	\$ 400.00
10/05/2009	Hansen		Initial draft of D-Tree for Massena	\$ 500.00	0.50	\$ 250.00
10/06/2009	Hansen		Review background materials on Massena	\$ 500.00	1.50	\$ 750.00
10/06/2009	Hansen		Probabilistic Analysis initial call for Massena	\$ 500.00	1.00	\$ 500.00
10/06/2009	Hansen		Review / revise decision tree for Hyatt Clark,	\$ 500.00	0.80	\$ 400.00
10/06/2009	Hansen		Initial draft of D-Tree for Massena	\$ 500.00	0.50	\$ 250.00
10/07/2009	Hansen		Probabilistic Analysis initial call for Buick City.	\$ 500.00	1.50	\$ 750.00
10/07/2009	Hansen		Review/revise decision tree for Massena	\$ 500.00	0.50	\$ 250.00
10/07/2009	Hansen		Initial draft of D-Tree for Buick City, Willow Run	\$ 500.00	1.00	\$ 500.00
10/07/2009	Hansen		Call w/ R. Menees to discuss D-tree for Buick City	\$ 500.00	0.50	\$ 250.00
10/08/2009	Hansen		Phone call on decision tree for Moraine	\$ 500.00	1.00	\$ 500.00
10/08/2009	Hansen		Review decision tree drafts for Buick City, Willow	\$ 500.00	1.00	\$ 500.00
10/08/2009	Hansen		Phone call w/ R. Menees to discuss Buick City	\$ 500.00	0.50	\$ 250.00
10/08/2009	Hansen		Develop backup documentation for Syracuse	\$ 500.00	0.50	\$ 250.00
10/08/2009	Hansen		Moraine decision tree draft	\$ 500.00	0.80	\$ 400.00
10/09/2009	Hansen		Finalize draft trees for Moraine, Buick City, Willow	\$ 500.00	1.30	\$ 650.00
10/09/2009	Hansen		Phone call on Syracuse re: probabilities	\$ 500.00	0.80	\$ 400.00
10/10/2009	Hansen		Review decision trees for Massena and Syracuse	\$ 500.00	1.40	\$ 700.00
10/12/2009	Hansen		Prepare for phone calls on Hyatt Clark / Massena	\$ 500.00	1.40	\$ 700.00
10/12/2009	Hansen		Phone call on Hyatt Clark	\$ 500.00	1.00	\$ 500.00
10/12/2009	Hansen		Phone call on Willow Run	\$ 500.00	0.90	\$ 450.00
10/12/2009	Hansen		Phone call on Massena	\$ 500.00	1.80	\$ 900.00
10/12/2009	Hansen		Revisions to Massena D-tree and volume analysis	\$ 500.00	1.70	\$ 850.00
10/13/2009	Hansen		Prepare for participate in Moraine D-tree review	\$ 500.00	1.20	\$ 600.00
10/13/2009	Hansen		Team meeting re: planning for modeling,	\$ 500.00	0.80	\$ 400.00
10/13/2009	Hansen		Moraine D-tree modifications	\$ 500.00	0.50	\$ 250.00
10/13/2009	Hansen		Review approach w/ R. Menees, review trees on sites	\$ 500.00	0.80	\$ 400.00
10/14/2009	Hansen		Revisions to Moraine decision tree and cost	\$ 500.00	1.80	\$ 900.00
10/14/2009	Hansen		Review cost schedules for Hyatt Clark	\$ 500.00	2.10	\$ 1,050.00
10/14/2009	Hansen		Work on draft overview document	\$ 500.00	0.60	\$ 300.00
10/14/2009	Hansen		work on draft moraine site analysis	\$ 500.00	1.20	\$ 600.00
10/14/2009	Hansen		Review past costs data reconciliation	\$ 500.00	0.50	\$ 250.00
10/15/2009	Hansen		Work on draft of Moraine site analysis	\$ 500.00	1.20	\$ 600.00
10/15/2009	Hansen		Review comment overview of Baseline Estimate	\$ 500.00	0.40	\$ 200.00
10/15/2009	Hansen		Review revised Moraine d-tree/cost estimates	\$ 500.00	0.90	\$ 450.00
10/15/2009	Hansen		Phone call on Syracuse d-tree/costs	\$ 500.00	1.30	\$ 650.00
10/16/2009	Hansen		Moraine and overview write-up	\$ 500.00	1.70	\$ 850.00
10/16/2009	Hansen		Massena logic discussion w/ team	\$ 500.00	0.50	\$ 250.00
10/18/2009	Hansen		Work on overview and Moraine write-ups	\$ 500.00	2.60	\$ 1,300.00
10/18/2009	Hansen		Work on Hyatt Clark write-up	\$ 500.00	1.80	\$ 900.00
10/19/2009	Hansen		Work on Massena analysis	\$ 500.00	0.50	\$ 250.00
10/20/2009	Hansen		Review of Moraine d-tree and discussion of	\$ 500.00	0.60	\$ 300.00

10/23/2009	Hansen	QC review phone call of Massena, Syracuse and	\$	500.00	3.60	\$	1,800.00
10/23/2009	Hansen	QC review phone call of Hyatt-Clark, Moraine and	\$	500.00	3.20	\$	1,600.00
10/25/2009	Hansen	Review revised draft summary analysis including	\$	500.00	1.60	\$	800.00
10/25/2009	Hansen	Phone calls w/ R. Menees re: Willow Run site	\$	500.00	0.70	\$	350.00
10/26/2009	Hansen	Syracuse site summary revisions	\$	500.00	0.90	\$	450.00
10/26/2009	Hansen	Phone call on Willow Run analysis	\$	500.00	0.80	\$	400.00
10/27/2009	Hansen	Update site decision tree	\$	500.00	2.50	\$	1,250.00
10/27/2009	Hansen	Review d-tree discussion	\$	500.00	3.20	\$	1,600.00
10/27/2009	Hansen	Review site results	\$	500.00	0.40	\$	200.00
10/28/2009	Hansen	Revisions, updates to site decision tree	\$	500.00	1.80	\$	900.00
10/29/2009	Hansen	Phone call w/ DOJ re: general approach	\$	500.00	0.80	\$	400.00
10/01/2009	Killian	Conference call re: selected sites probabilities	\$	450.00	0.40	\$	180.00
10/02/2009	Killian	Conference call re: selected sites probabilities	\$	450.00	0.70	\$	315.00
10/05/2009	Killian	first two D-tree sites analyses	\$	450.00	1.60	\$	720.00
10/07/2009	Killian	past costs, d-trees	\$	450.00	0.80	\$	360.00
10/08/2009	Killian	d-tree discussion	\$	450.00	0.70	\$	315.00
10/13/2009	Killian	review past costs, d-tree analysis discussions	\$	450.00	1.20	\$	540.00
10/21/2009	Killian	Reviewing Moraine analysis	\$	450.00	1.80	\$	810.00
10/22/2009	Killian	6 sites prob analysis	\$	450.00	2.20	\$	990.00
10/13/2009	Ko	Meeting - Overview	\$	215.00	0.50	\$	107.50
10/14/2009	Ko	Reviewed D-tree Model dated 10/14/09 for Willow Run	\$	215.00	0.80	\$	172.00
10/14/2009	Ko	Reviewed Revised D-tree Model dated 10/14/09 for Willow Run	\$	215.00	1.00	\$	215.00
10/14/2009	Ko	Reviewed Remedial Cost Estimate dated Sept. '09 for Hyatt Clark	\$	215.00	0.50	\$	107.50
10/14/2009	Ko	Started creation of Nominal and Discounted Cash Flow templates for Willow Run	\$	215.00	2.20	\$	473.00
10/14/2009	Ko	Reviewed Remedial Cost Estimate dated 09/30/09 for Willow Run	\$	215.00	2.00	\$	430.00
10/15/2009	Ko	Reviewed Syracuse Tree Revised Dip Estimate provided by Raymond Kapp	\$	215.00	0.30	\$	64.50
10/15/2009	Ko	Reviewed D-tree Model dated 10/14/09 for Syracuse	\$	215.00	0.50	\$	107.50
10/15/2009	Ko	Phone call on Massena discussing D-tree/costs	\$	215.00	1.30	\$	279.50
10/15/2009	Ko	Phone call on Syracuse discussing D-tree/costs	\$	215.00	0.80	\$	193.50
10/15/2009	Ko	Meeting with Robert Menees discussing D-tree/costs on Willow Run	\$	215.00	1.00	\$	215.00
10/15/2009	Ko	Reviewed Remedial Cost Estimate dated 10/04/09 for Syracuse	\$	215.00	1.00	\$	215.00
10/16/2009	Ko	Meeting with Robert Menees discussing D-tree/costs on Willow Run	\$	215.00	2.00	\$	430.00
10/16/2009	Ko	Meeting with team discussing Massena D-tree/costs	\$	215.00	1.00	\$	215.00
10/16/2009	Ko	Reviewed Remedial Cost Estimate dated 06/26/09 for Willow Run	\$	215.00	1.80	\$	387.00
10/16/2009	Ko	Continued working on Nominal and Discounted Cash Flow template for Willow Run	\$	215.00	3.20	\$	688.00
10/19/2009	Ko	Developed probabilistic model template for Willow Run	\$	215.00	3.90	\$	838.50
10/19/2009	Ko	Phone call with Robert Menees on Willow Run discussing updated D-tree costs/model	\$	215.00	2.00	\$	430.00
10/19/2009	Ko	Phone call with Raymond Kapp discussing updated D-tree/costs on Syracuse	\$	215.00	0.30	\$	64.50
10/19/2009	Ko	Meeting with team discussing Massena D-tree/costs and Volume Estimates	\$	215.00	1.00	\$	215.00
10/19/2009	Ko	Reviewed discounted cash flow methodology with team	\$	215.00	0.80	\$	172.00
10/19/2009	Ko	Quality Control Reviewed Cash Flows and developed probabilistic model for Hyatt Clark	\$	215.00	2.50	\$	537.50
10/19/2009	Ko	Quality Control Reviewed Cash Flows and developed probabilistic model for Moraine	\$	215.00	1.50	\$	322.50
10/20/2009	Ko	Completed development of probabilistic model for Willow Run	\$	215.00	1.30	\$	279.50
10/20/2009	Ko	Continued creation of Nominal and Discounted Cash Flow templates for Massena	\$	215.00	3.90	\$	838.50
10/20/2009	Ko	Edited Willow Run site write-up	\$	215.00	2.00	\$	430.00
10/20/2009	Ko	Edited Syracuse site write-up	\$	215.00	1.80	\$	387.00
10/21/2009	Ko	Completed development of probabilistic model for Massena	\$	215.00	4.00	\$	860.00
10/21/2009	Ko	Updated probabilistic model for Willow Run with updated D-tree costs/model	\$	215.00	2.00	\$	430.00
10/21/2009	Ko	Quality Control Reviewed Cash Flows and developed probabilistic model for Buick City	\$	215.00	3.00	\$	645.00
10/21/2009	Ko	Continued editing Willow Run site write-up	\$	215.00	0.80	\$	172.00
10/22/2009	Ko	Reviewed discrepancies among all sites for administrative costs and terminal values	\$	215.00	2.00	\$	430.00
10/22/2009	Ko	Completed development of probabilistic model for Syracuse	\$	215.00	3.50	\$	752.50
10/26/2009	Ko	Edit Syracuse Site write-up	\$	215.00	2.00	\$	430.00
10/26/2009	Ko	Updated probabilistic model for Massena with updated D-tree costs/model	\$	215.00	2.00	\$	430.00
10/26/2009	Ko	Updated probabilistic model for Willow Run with updated D-tree costs/model	\$	215.00	1.50	\$	322.50
10/27/2009	Ko	Updated probabilistic model for Willow Run with updated D-tree costs/model	\$	215.00	3.50	\$	752.50
10/27/2009	Ko	Continued review of discrepancies among all sites for contingency costs	\$	215.00	3.00	\$	645.00
10/28/2009	Ko	Continued formatting and editing all site write-ups	\$	215.00	4.00	\$	860.00
10/28/2009	Ko	Summarized all sites by state by 90% and EV	\$	215.00	1.80	\$	387.00
10/29/2009	Ko	Continued Quality Control Review of Buick City, Hyatt Clark, Massena and Moraine	\$	215.00	4.00	\$	860.00
10/29/2009	Ko	Updated probabilistic model for Willow Run with updated D-tree costs/model	\$	215.00	2.50	\$	537.50
10/30/2009	Ko	Continued formatting and editing all site write-ups	\$	215.00	4.00	\$	860.00
10/30/2009	Ko	Continued formatting and editing all site D-tree models	\$	215.00	3.00	\$	645.00
10/30/2009	Ko	Continued formatting and editing all site probabilistic models	\$	215.00	4.00	\$	860.00
10/27/2009	Krock	Researched inflation rates; reviewed memo.	\$	395.00	0.60	\$	237.00
10/06/2009	Menees	Teleconference discussion re decision tree process and selection of sites for analysis	\$	295.00	1.20	\$	354.00
10/07/2009	Menees	Teleconference discussion re decision trees for Willow Run and Buick City sites	\$	295.00	2.50	\$	737.50
10/07/2009	Menees	Teleconference discussion re decision tree for Flint West site	\$	295.00	1.20	\$	354.00
10/08/2009	Menees	Decision tree analysis for Buick City site	\$	295.00	3.30	\$	973.50
10/08/2009	Menees	Decision tree analysis for Willow Run site	\$	295.00	3.50	\$	1,032.50
10/09/2009	Menees	Decision tree analysis for Willow Run site	\$	295.00	2.20	\$	649.00
10/09/2009	Menees	Decision tree analysis for Buick City site	\$	295.00	2.40	\$	708.00
10/12/2009	Menees	Teleconference re site decision tree analysis for Buick City and Willow Run	\$	295.00	1.40	\$	413.00
10/13/2009	Menees	Teleconference re decision tree analysis	\$	295.00	1.20	\$	354.00
10/13/2009	Menees	Continue work on Buick City decision tree analysis	\$	295.00	3.20	\$	944.00
10/13/2009	Menees	Discussions re Claro and Arcadis staff re Willow Run decision tree model	\$	295.00	1.40	\$	413.00
10/14/2009	Menees	Decision tree analysis for Willow Run site; work on decision analysis model	\$	295.00	2.00	\$	590.00
10/14/2009	Menees	Decision tree analysis for Buick City site	\$	295.00	2.20	\$	649.00
10/15/2009	Menees	Teleconference re Buick City site decision tree analysis	\$	295.00	1.50	\$	442.50
10/15/2009	Menees	Continue work on decision tree analysis for Willow Run	\$	295.00	3.00	\$	885.00
10/15/2009	Menees	Teleconference re Willow Run site decision tree analysis	\$	295.00	1.70	\$	501.50
10/16/2009	Menees	Teleconferences re site decision tree models	\$	295.00	1.00	\$	295.00
10/16/2009	Menees	Work on decision tree models for Buick City and Willow Run	\$	295.00	2.00	\$	590.00
10/16/2009	Menees	Discussions with Claro and Arcadis staff re decision tree models	\$	295.00	1.60	\$	472.00
10/19/2009	Menees	Revisions to Buick City decision tree analysis	\$	295.00	2.00	\$	590.00
10/19/2009	Menees	Revisions to Willow Run decision tree analysis	\$	295.00	3.00	\$	885.00
10/19/2009	Menees	Discussions with Claro and Arcadis staff re Buick City and Willow Run decision tree analyses	\$	295.00	2.20	\$	649.00
10/20/2009	Menees	Continue decision tree model analysis for Buick City site	\$	295.00	2.50	\$	737.50
10/20/2009	Menees	Decision tree model analysis for Willow Run site	\$	295.00	3.30	\$	973.50
10/21/2009	Menees	Conf call re: site decision tree analysis on Willow Run site	\$	295.00	2.20	\$	649.00

10/21/2009	Menees	Continue to work on decision tree model analysis and support for Willow Run	\$ 295.00	3.60	\$ 1,062.00
10/21/2009	Menees	Discussions with Claro and Arcadis staff re Buick City decision analysis model	\$ 295.00	2.00	\$ 590.00
10/22/2009	Menees	Decision tree model development for Buick City site	\$ 295.00	2.20	\$ 649.00
10/22/2009	Menees	Decision tree model development for Willow Run	\$ 295.00	2.80	\$ 826.00
10/22/2009	Menees	Discussions with Claro staff re decision tree model revisions for Buick City and Willow Run	\$ 295.00	1.70	\$ 501.50
10/23/2009	Menees	Conf. call re: decision tree analyses for MLC sites	\$ 295.00	3.00	\$ 885.00
10/23/2009	Menees	Discussions and work on Buick City decision tree analysis and model	\$ 295.00	3.20	\$ 944.00
10/24/2009	Menees	Revisions to decision tree analysis and model for Buick City site	\$ 295.00	2.00	\$ 590.00
10/24/2009	Menees	Revisions to decision tree analysis and model for Willow Run site	\$ 295.00	2.20	\$ 649.00
10/25/2009	Menees	Additional revisions to decision tree analysis and model for Willow Run site	\$ 295.00	2.40	\$ 708.00
10/25/2009	Menees	Additional revisions to decision tree analysis and model for Buick City site	\$ 295.00	2.00	\$ 590.00
10/26/2009	Menees	Teleconferences re site decision tree analyses for MLC site	\$ 295.00	2.00	\$ 590.00
10/26/2009	Menees	Revisions to decision tree analysis for Willow Run	\$ 295.00	1.00	\$ 295.00
10/26/2009	Menees	Discussions with Claro and Arcadis staff re Buick City and Willow Run analysis	\$ 295.00	2.70	\$ 796.50
10/27/2009	Menees	Finalize revisions to decision tree analysis for Willow Run site	\$ 295.00	1.70	\$ 501.50
10/27/2009	Menees	Finalize revisions to decision tree analysis for Buick City site	\$ 295.00	1.50	\$ 442.50
10/28/2009	Menees	Review and cleanup decision analysis model for Willow Run and Buick City sites	\$ 295.00	1.40	\$ 413.00
10/29/2009	Menees	Discussion with Claro staff re decision tree analysis for Willow Run site	\$ 295.00	0.60	\$ 177.00
10/30/2009	Menees	Discussion with Claro staff re decision tree analysis for Buick City site	\$ 295.00	0.30	\$ 88.50
10/13/2009	Patti	Edit Hyatt Clark Decision Tree and update	\$ 155.00	2.50	\$ 387.50
10/14/2009	Patti	Create Hyatt Clark Cash Flow Cost Analysis Schedule and inputs.	\$ 155.00	2.80	\$ 434.00
10/14/2009	Patti	Create Buick City Cash Flow Cost Analysis Schedule.	\$ 155.00	3.90	\$ 604.50
10/14/2009	Patti	Review Cost Details for each specific Buick City decision.	\$ 155.00	1.60	\$ 248.00
10/15/2009	Patti	Review Hyatt Clark Schedule with John Messinger	\$ 155.00	1.80	\$ 279.00
10/15/2009	Patti	Edit and update Hyatt Clark Decision Tree and Cash Flow schedule	\$ 155.00	1.10	\$ 170.50
10/15/2009	Patti	Teleconference with Rob Menees discussing Cost Details for Buick City	\$ 155.00	2.00	\$ 310.00
10/15/2009	Patti	Edit and update Buick City Cash Flow schedule	\$ 155.00	3.10	\$ 480.50
10/16/2009	Patti	Update cash flow cost analysis schedule for Buick	\$ 155.00	2.20	\$ 341.00
10/16/2009	Patti	Continue work on Buick City Decision Tree Cash Flow Analysis	\$ 155.00	3.80	\$ 589.00
10/16/2009	Patti	Quality check Hyatt Clark Decision Tree Cash Flow Analysis	\$ 155.00	1.30	\$ 201.50
10/18/2009	Patti	Edit Hyatt Clark Nominal Cash Flows model and	\$ 155.00	2.00	\$ 310.00
10/19/2009	Patti	Update Hyatt Clark Decision Tree with appropriate	\$ 155.00	0.40	\$ 62.00
10/19/2009	Patti	Update Hyatt Clark Cash Flows in Nominal and	\$ 155.00	1.80	\$ 279.00
10/19/2009	Patti	Create Hyatt Clark Summary Tab that includes all	\$ 155.00	3.00	\$ 465.00
10/19/2009	Patti	Update cash flows in discounted and nominal tabs	\$ 155.00	2.50	\$ 387.50
10/19/2009	Patti	Create Moraine Summary page including all	\$ 155.00	2.50	\$ 387.50
10/19/2009	Patti	Edit and quality check probabilities in Site Write	\$ 155.00	0.70	\$ 108.50
10/19/2009	Patti	Create Moraine Write Up template with probability	\$ 155.00	1.00	\$ 155.00
10/21/2009	Patti	Update Buick City Decision Tree Model including	\$ 155.00	3.70	\$ 573.50
10/21/2009	Patti	Create Buick City Summary page including all inputs	\$ 155.00	3.50	\$ 542.50
10/21/2009	Patti	Review Buick City Summary page	\$ 155.00	1.00	\$ 155.00
10/21/2009	Patti	Create Massena Site Write Up template with	\$ 155.00	1.50	\$ 232.50
10/22/2009	Patti	Create Draft General Motors binder of site	\$ 155.00	3.00	\$ 465.00
10/22/2009	Patti	Create table of contingencies by site for Hyatt	\$ 155.00	2.00	\$ 310.00
10/22/2009	Patti	Update Buick City Decision Tree Model with	\$ 155.00	1.00	\$ 155.00
10/23/2009	Patti	Call with engineers and project managers	\$ 155.00	1.50	\$ 232.50
10/23/2009	Patti	Update binder with most relevant Decision Trees	\$ 155.00	2.50	\$ 387.50
10/23/2009	Patti	Update Hyatt Clark and Moraine Decision Trees	\$ 155.00	0.60	\$ 93.00
10/26/2009	Patti	Update and check Decision Trees for Hyatt Clark	\$ 155.00	0.40	\$ 62.00
10/26/2009	Patti	Add a States column to 47 sites in the Summary	\$ 155.00	0.70	\$ 108.50
10/26/2009	Patti	Update probability tables in the Hyatt Clark and	\$ 155.00	0.90	\$ 139.50
10/26/2009	Patti	Update probability table for the Willow Run Site	\$ 155.00	0.60	\$ 93.00
10/26/2009	Patti	Check cell reference links in the Moraine Decision	\$ 155.00	0.50	\$ 77.50
10/26/2009	Patti	Add Expected Value, 10%, and 90% subtotal	\$ 155.00	1.30	\$ 201.50
10/26/2009	Patti	Analyze base case scenario for sites to determine	\$ 155.00	5.00	\$ 775.00
10/27/2009	Patti	Update probability table in Willow Run Site Write	\$ 155.00	1.00	\$ 155.00
10/27/2009	Patti	Check contingency details in Buick City model.	\$ 155.00	0.50	\$ 77.50
10/27/2009	Patti	Update Moraine contingency table.	\$ 155.00	1.40	\$ 217.00
10/27/2009	Patti	Decision tree cash flow analysis for Buick City and	\$ 155.00	3.00	\$ 465.00
10/29/2009	Patti	Format Willow Run probability table in Site	\$ 155.00	0.60	\$ 93.00
10/29/2009	Patti	Format Syracuse probability table in Site Writeup.	\$ 155.00	0.50	\$ 77.50
10/29/2009	Patti	Format Hyatt Clark probability table in Site	\$ 155.00	0.80	\$ 124.00
10/29/2009	Patti	Format Buick City probability table and quality	\$ 155.00	2.00	\$ 310.00
10/29/2009	Patti	Format Moraine probability table in Site Writeup.	\$ 155.00	2.00	\$ 310.00
10/29/2009	Patti	Decision tree cash flow analysis for Moraine and	\$ 155.00	3.00	\$ 465.00
10/30/2009	Patti	Quality check Hyatt Clark model and decision tree	\$ 155.00	2.40	\$ 372.00
10/30/2009	Patti	Update Moraine decision tree for base case.	\$ 155.00	0.50	\$ 77.50
10/30/2009	Patti	Quality check Buick City model and decision tree	\$ 155.00	3.00	\$ 465.00
10/30/2009	Patti	Format Hyatt Clark for November 1st submission	\$ 155.00	1.70	\$ 263.50
10/30/2009	Patti	Format Buick City for November 1st submission	\$ 155.00	3.10	\$ 480.50
9/4/2009	Tweliman	Email correspondence w Alex R. RE: expected value calculations.	\$ 330.00	0.50	\$ 165.00
10/01/2009	Tweliman	conf call on site Willow Run and followup decision tree	\$ 330.00	1.20	\$ 396.00
10/01/2009	Tweliman	conf call on site Buick City and followup decision tree	\$ 330.00	2.20	\$ 726.00
10/01/2009	Tweliman	conf call on site Moraine and followup decision tree	\$ 330.00	1.10	\$ 363.00
10/02/2009	Tweliman	conf call on site Moraine and followup decision tree	\$ 330.00	1.20	\$ 396.00
10/02/2009	Tweliman	conf call on site Hyatt Clark and followup decision tree	\$ 330.00	1.50	\$ 495.00
10/02/2009	Tweliman	preliminary probabilistic model for Moraine	\$ 330.00	1.30	\$ 429.00
10/05/2009	Tweliman	conf call on site Massena and followup decision tree	\$ 330.00	1.80	\$ 594.00
10/05/2009	Tweliman	preliminary probabilistic model for Massena	\$ 330.00	3.70	\$ 1,221.00
10/05/2009	Tweliman	preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.50	\$ 825.00
10/06/2009	Tweliman	preliminary probabilistic model for Massena	\$ 330.00	2.10	\$ 693.00
10/06/2009	Tweliman	preliminary probabilistic model for Hyatt Clark	\$ 330.00	3.90	\$ 1,287.00
10/06/2009	Tweliman	preliminary probabilistic model for Moraine	\$ 330.00	2.00	\$ 660.00
10/07/2009	Tweliman	preliminary probabilistic model for Buick City	\$ 330.00	2.10	\$ 693.00
10/07/2009	Tweliman	preliminary probabilistic model for Willow Run	\$ 330.00	3.90	\$ 1,287.00
10/07/2009	Tweliman	preliminary probabilistic model for Massena	\$ 330.00	2.00	\$ 660.00
10/12/2009	Tweliman	preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.10	\$ 693.00
10/12/2009	Tweliman	preliminary probabilistic model for Willow Run	\$ 330.00	3.90	\$ 1,287.00
10/12/2009	Tweliman	preliminary probabilistic model for Massena	\$ 330.00	2.00	\$ 660.00
10/13/2009	Tweliman	preliminary probabilistic model for Buick City	\$ 330.00	2.10	\$ 693.00

10/13/2009	Twellman	preliminary probabilistic model for Syracuse	\$ 330.00	3.90	\$ 1,287.00
10/13/2009	Twellman	preliminary probabilistic model for Moraine	\$ 330.00	2.00	\$ 660.00
10/14/2009	Twellman	preliminary probabilistic model for Moraine	\$ 330.00	2.10	\$ 693.00
10/14/2009	Twellman	preliminary probabilistic model for Syracuse	\$ 330.00	3.90	\$ 1,287.00
10/14/2009	Twellman	preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.00	\$ 660.00
10/15/2009	Twellman	preliminary probabilistic model for Moraine	\$ 330.00	2.10	\$ 693.00
10/15/2009	Twellman	preliminary probabilistic model for Syracuse	\$ 330.00	3.90	\$ 1,287.00
10/15/2009	Twellman	preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.00	\$ 660.00
10/16/2009	Twellman	preliminary probabilistic model for Buick City	\$ 330.00	1.10	\$ 363.00
10/16/2009	Twellman	preliminary probabilistic model for Moraine	\$ 330.00	1.90	\$ 627.00
10/16/2009	Twellman	preliminary probabilistic model for Massena	\$ 330.00	1.00	\$ 330.00
10/19/2009	Twellman	preliminary probabilistic model for Portfolio	\$ 330.00	3.70	\$ 1,221.00
10/19/2009	Twellman	preliminary probabilistic model for Massena	\$ 330.00	3.60	\$ 1,188.00
10/19/2009	Twellman	preliminary probabilistic model for Willow Run	\$ 330.00	3.20	\$ 1,056.00
10/20/2009	Twellman	preliminary probabilistic model for Portfolio	\$ 330.00	3.60	\$ 1,188.00
10/20/2009	Twellman	preliminary probabilistic model for Massena	\$ 330.00	1.90	\$ 627.00
10/21/2009	Twellman	preliminary probabilistic model for Moraine	\$ 330.00	3.70	\$ 1,221.00
10/21/2009	Twellman	massena write up and supporting schedules	\$ 330.00	3.30	\$ 1,089.00
10/22/2009	Twellman	massena write up and supporting schedules	\$ 330.00	2.10	\$ 693.00
10/22/2009	Twellman	Buick City write up and supporting schedules	\$ 330.00	3.90	\$ 1,287.00
10/23/2009	Twellman	QC call for Massena, Syracuse, Buick City	\$ 330.00	2.10	\$ 693.00
10/23/2009	Twellman	QC call for Hyatt Clark, Moraine, Willow Run	\$ 330.00	3.90	\$ 1,287.00
10/25/2009	Twellman	update preliminary probabilistic model for Willow Run	\$ 330.00	1.90	\$ 627.00
10/25/2009	Twellman	update preliminary probabilistic model for Syracuse	\$ 330.00	2.10	\$ 693.00
10/25/2009	Twellman	update preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.80	\$ 924.00
10/25/2009	Twellman	update preliminary probabilistic model for Buick City	\$ 330.00	2.30	\$ 759.00
10/25/2009	Twellman	update preliminary probabilistic model for Massena	\$ 330.00	2.50	\$ 825.00
10/25/2009	Twellman	update preliminary probabilistic model for Moraine	\$ 330.00	2.90	\$ 957.00
10/26/2009	Twellman	update preliminary probabilistic model for Willow Run	\$ 330.00	1.60	\$ 528.00
10/26/2009	Twellman	update preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.90	\$ 957.00
10/26/2009	Twellman	update preliminary probabilistic model for Moraine	\$ 330.00	1.50	\$ 495.00
10/27/2009	Twellman	update preliminary probabilistic model for Willow Run	\$ 330.00	1.90	\$ 627.00
10/27/2009	Twellman	update preliminary probabilistic model for Syracuse	\$ 330.00	2.00	\$ 660.00
10/27/2009	Twellman	update preliminary probabilistic model for Hyatt Clark	\$ 330.00	2.70	\$ 891.00
10/27/2009	Twellman	update preliminary probabilistic model for Buick City	\$ 330.00	2.20	\$ 726.00
10/27/2009	Twellman	update preliminary probabilistic model for Massena	\$ 330.00	2.50	\$ 825.00
10/27/2009	Twellman	update preliminary probabilistic model for Moraine	\$ 330.00	2.70	\$ 891.00
10/28/2009	Twellman	create supporting schedules for all six sites	\$ 330.00	5.60	\$ 1,848.00
10/29/2009	Twellman	review decision tree models w team	\$ 330.00	3.90	\$ 1,287.00
10/30/2009	Twellman	review six decision tree models	\$ 330.00	3.90	\$ 1,287.00
11/01/09	Ko	Quality control review all 6 sites to prepare for submission.	\$ 215.00	2.50	\$ 537.50
11/01/09	Ko	Edit and format all 6 sites D-tree Cash Flow Models to prepare for submission.	\$ 215.00	4.00	\$ 860.00
11/01/2009	Patti	Update all six site writeups and decision trees with edited changes.	\$ 155.00	3.70	\$ 573.50
11/01/2009	Patti	Quality check formatting of six sites prior to submission.	\$ 155.00	3.30	\$ 511.50
11/01/2009	Twellman	pdf and prepare for upload 6 decision tree site writeups, dtrees, and xls detail schedules to portal.	\$ 330.00	0.80	\$ 264.00
11/01/2009	Twellman	updated decision trees and site writeups	\$ 330.00	2.60	\$ 858.00
11/02/2009	Forrester	Work on Moraine Site Costs Backup.	\$ 165.00	4.00	\$ 660.00
11/02/2009	Forrester	Work on Massena Site Costs Backup.	\$ 165.00	3.00	\$ 495.00
11/02/2009	Killian	review Status Summary, supporting materials	\$ 450.00	1.30	\$ 585.00
11/02/09	Ko	Create Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/02/09	Ko	Cell reference Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	3.20	\$ 688.00
11/02/2009	Patti	Create Buick City Cost Details support tabs in Decision Tree Cash Flow Model.	\$ 155.00	4.00	\$ 620.00
		Cell reference cash flow support to nominal and discounted pages in Buick City Decision Tree Cash Flow Model.	\$ 155.00	3.80	\$ 589.00
11/02/2009	Patti	review site backup schedules from Arcadis	\$ 330.00	1.30	\$ 429.00
11/02/2009	Twellman	prepare detailed dtree schedules for Buick City	\$ 330.00	2.40	\$ 792.00
11/02/2009	Twellman	prepare detailed dtree schedules for Moraine	\$ 330.00	1.60	\$ 528.00
11/03/2009	Forrester	Work on Moraine Nominal cost schedule.	\$ 165.00	3.80	\$ 627.00
11/03/2009	Forrester	Work on Massena Nominal cost schedule.	\$ 165.00	3.50	\$ 577.50
11/03/09	Ko	Phone call with Robert Manees discussing D-tree/costs on Willow Run	\$ 215.00	0.80	\$ 172.00
11/03/09	Ko	Continue creating Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/03/09	Ko	Continue cell referencing Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	3.00	\$ 845.00
11/03/09	Ko	Quality control review Willow Run costs in D-tree Cash Flow Model.	\$ 215.00	2.40	\$ 516.00
11/03/2009	Menees	Discussion with Claro staff re Buick City model	\$ 295.00	0.40	\$ 118.00
11/03/2009	Menees	Discussion with Claro staff re Willow Run model	\$ 295.00	0.80	\$ 236.00
11/03/2009	Menees	Review Willow Run decision model	\$ 295.00	0.80	\$ 236.00
11/03/2009	Patti	Complete Buick City support tabs and cell referencing.	\$ 155.00	2.70	\$ 418.50
11/03/2009	Patti	Create Hyatt Clark Cost Details support tabs in Decision Tree Cash Flow Model.	\$ 155.00	2.80	\$ 434.00
		Cell reference cash flow support to nominal and discounted pages in Hyatt Clark Decision Tree Cash Flow Model.	\$ 155.00	2.10	\$ 325.50
11/03/2009	Patti	prepare detailed dtree schedules for Syracuse	\$ 330.00	0.60	\$ 198.00
11/03/2009	Twellman	prepare detailed dtree schedules for Massena	\$ 330.00	1.60	\$ 528.00
11/03/2009	Twellman	prepare detailed dtree schedules for Willow Run	\$ 330.00	2.20	\$ 726.00
11/03/2009	Twellman	prepare detailed dtree schedules for Hyatt Clark	\$ 330.00	1.90	\$ 627.00
11/04/2009	Forrester	Link Moraine cost model with support tabs.	\$ 165.00	4.00	\$ 660.00
11/04/2009	Forrester	Link Massena cost model with support tabs.	\$ 165.00	3.50	\$ 577.50
11/04/2009	Hansen	Review cost documentation for Massena	\$ 500.00	1.20	\$ 600.00
11/04/09	Ko	Phone call with Robert Manees discussing D-tree/costs on Willow Run	\$ 215.00	0.80	\$ 172.00
11/04/09	Ko	Review demobilization and abandonment costs in Willow Run D-tree Cash Flow Model.	\$ 215.00	0.50	\$ 107.50
11/04/09	Ko	Make revisions to Willow Run D-tree Cash Flow Model.	\$ 215.00	2.30	\$ 494.50
11/04/09	Ko	Complete creating and cell referencing Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	3.80	\$ 817.00
11/04/2009	Menees	Review Willow Run decision model	\$ 295.00	1.20	\$ 354.00
11/04/2009	Menees	Discussions w/ Claro staff re Willow Run model	\$ 295.00	0.80	\$ 236.00
11/04/2009	Patti	Complete Hyatt Clark support tabs and cell referencing.	\$ 155.00	1.90	\$ 294.50
11/04/2009	Patti	Format Buick City Cash Flow Model.	\$ 155.00	4.00	\$ 620.00
11/04/2009	Patti	Format Hyatt Clark Cash Flow Model.	\$ 155.00	3.20	\$ 496.00
11/04/2009	Twellman	prepare detailed dtree schedules for Massena	\$ 330.00	2.60	\$ 858.00
11/05/2009	Forrester	Format Moraine cost model.	\$ 165.00	2.80	\$ 462.00
11/05/2009	Forrester	Format Massena cost model.	\$ 165.00	3.20	\$ 528.00
11/05/2009	Forrester	Implement global formatting changes.	\$ 165.00	1.00	\$ 165.00

11/05/09	Ko	Start sensitivity analysis of 100 yr O&M for all 6 sites.	\$ 215.00	3.50	\$ 752.50
11/05/09	Ko	Revise, reformat and relink Buick City support tabs in D-tree Cash Flow Model.	\$ 215.00	3.60	\$ 774.00
11/05/2009	Patti	Complete Buick City Cash Flow formatting.	\$ 155.00	2.00	\$ 310.00
11/05/2009	Patti	Complete Hyatt Clark Cash Flow formatting.	\$ 155.00	1.50	\$ 232.50
11/05/2009	Patti	Format Moraine Decision Tree Cash Flow Model and support tabs.	\$ 155.00	2.50	\$ 387.50
11/05/2009	Tweliman	prepare detailed dtree schedules for Massena	\$ 330.00	2.90	\$ 957.00
11/06/2009	Forrester	Decision tree/cash flow QC.	\$ 165.00	1.30	\$ 214.50
11/06/2009	Killian	supporting docs	\$ 450.00	0.30	\$ 135.00
11/06/09	Ko	Continue sensitivity analysis of 100 yr O&M for all 6 sites.	\$ 215.00	3.90	\$ 838.50
11/06/09	Ko	Continue revising, reformatting and relinking Buick City support tabs in D-tree Cash Flow Model.	\$ 215.00	2.70	\$ 580.50
11/06/2009	Menees	Discussion with G. Hansen re planned decision	\$ 295.00	0.20	\$ 59.00
11/06/2009	Menees	Teleconference with MLC team re next steps	\$ 295.00	1.30	\$ 383.50
11/06/2009	Patti	Quality check Buick City Decision Tree model.	\$ 155.00	1.00	\$ 155.00
11/06/2009	Patti	Update all sites GM Summary with adjusted discount rate and cash flow years.	\$ 155.00	2.30	\$ 356.50
11/08/09	Ko	Complete revising, reformatting and relinking Buick City support tabs in D-tree Cash Flow Model.	\$ 215.00	0.50	\$ 107.50
11/09/09	Ko	Revise, reformat and relink Hyatt Clark support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/09/09	Ko	Quality Control review Massena costs in D-tree Cash Flow Model.	\$ 215.00	1.70	\$ 365.50
11/09/09	Ko	Revise, reformat and relink Massena support tabs in D-tree Cash Flow Model.	\$ 215.00	3.30	\$ 709.50
11/09/2009	Menees	Review updated background data re Willow Run site	\$ 295.00	0.60	\$ 177.00
11/09/2009	Menees	Correspondence with Arcadis staff re Willow Run data	\$ 295.00	0.20	\$ 59.00
11/09/2009	Patti	Quality check all formatted cash flow models.	\$ 155.00	0.80	\$ 124.00
11/10/09	Ko	Complete revising, reformatting and relinking Hyatt Clark support tabs in D-tree Cash Flow Model.	\$ 215.00	1.70	\$ 365.50
11/10/09	Ko	Complete revising, reformatting and relinking Massena support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/10/09	Ko	Quality Control review Moraine costs in D-tree Cash Flow Model.	\$ 215.00	3.60	\$ 774.00
11/10/09	Ko	Revise, reformat and relink Moraine support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/10/2009	Patti	Insurance analysis for first 10 years of cash flows for all sites with various discount and inflation rates.	\$ 155.00	1.80	\$ 279.00
11/10/2009	Patti	Insurance analysis for remaining 20 years of cash flows for all sites with various discount and inflation rates.	\$ 155.00	2.70	\$ 418.50
11/11/09	Ko	Continue Quality Control review Moraine costs in D-tree Cash Flow Model.	\$ 215.00	3.00	\$ 645.00
11/11/09	Ko	Continue revising, reformatting and relinking Moraine support tabs in D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/11/2009	Menees	Review latest versions of Willow Run and Buick	\$ 295.00	1.20	\$ 354.00
11/11/2009	Menees	Discussion with G. Hansen in advance of site	\$ 295.00	0.20	\$ 59.00
11/11/2009	Menees	Teleconference with MLC team to review sites	\$ 295.00	3.50	\$ 1,032.50
11/11/2009	Patti	Update MLC Cost Estimate Summary model with insurance analysis results for the first 10 yrs.	\$ 155.00	4.00	\$ 620.00
11/11/2009	Patti	Update MLC Cost Estimate Summary model with insurance analysis results for the remaining 20 yrs.	\$ 155.00	4.00	\$ 620.00
11/11/2009	Patti	Insurance analysis for full 30 years of cash flows for all sites with various discount and inflation rates.	\$ 155.00	3.00	\$ 465.00
11/12/09	Ko	Complete revising, reformatting and relinking Moraine support tabs in D-tree Cash Flow Model.	\$ 215.00	1.00	\$ 215.00
11/12/2009	Menees	Discussion with Arcadis staff re Willow Run site	\$ 295.00	0.30	\$ 88.50
11/12/2009	Patti	Update MLC Cost Estimate Summary model with insurance analysis results for the full 30 yrs of cash flows.	\$ 155.00	4.00	\$ 620.00
11/12/2009	Patti	Update site write ups for 10 yrs of cash flows for the insurance analysis.	\$ 155.00	3.50	\$ 542.50
11/12/2009	Patti	Run insurance analysis models on @Risk and analyze results.	\$ 155.00	2.50	\$ 387.50
11/13/2009	Hansen	Review workproduct backup	\$ 500.00	0.90	\$ 450.00
11/13/09	Ko	Create and cell reference Syracuse support tabs in D-tree Cash Flow Model.	\$ 215.00	2.00	\$ 430.00
11/13/09	Ko	Revise, reformat and relink Willow Run support tabs in D-tree Cash Flow Model.	\$ 215.00	3.80	\$ 817.00
11/13/09	Ko	Re-calculate Recovered Product Disposal costs in Buick City D-tree Cash Flow Model.	\$ 215.00	1.00	\$ 215.00
11/13/09	Ko	Re-calculate Recovered Product Disposal costs in Willow Run D-tree Cash Flow Model.	\$ 215.00	4.00	\$ 860.00
11/13/09	Ko	Make global formatting changes of main schedules and support tabs for all 6 sites.	\$ 215.00	2.20	\$ 473.00
11/13/2009	Patti	Create graphs depicting EV and 95th percentile of first 10 yrs cash flows for insurance analysis.	\$ 155.00	3.80	\$ 589.00
11/13/2009	Patti	Complete site write ups for 10 yrs of cash flows for the insurance analysis.	\$ 155.00	3.20	\$ 496.00
11/13/2009	Tweliman	revise willow run dtree model	\$ 330.00	2.20	\$ 726.00
11/13/2009	Tweliman	revise portfolio model for willow run and buick city	\$ 330.00	3.20	\$ 1,056.00
11/13/2009	Tweliman	revise buick city dtree model	\$ 330.00	2.60	\$ 858.00
11/16/09	Ko	Continue 100 yr O&M sensitivity analysis for all 6 sites.	\$ 215.00	3.80	\$ 817.00
11/16/09	Ko	Assist with Expected Value sensitivity analysis per decision node for all 6 sites.	\$ 215.00	1.40	\$ 301.00
11/16/2009	Patti	Expected Value analysis for 6 Decision Tree sites and cash flows per decision node.	\$ 155.00	3.00	\$ 465.00
11/16/2009	Tweliman	revise Buick dtree w EV per remedy	\$ 330.00	1.70	\$ 561.00
11/17/2009	Hansen	Follow up / review on site cost summaries	\$ 500.00	4.00	\$ 2,000.00
11/17/2009	Hansen	Decision tree analysis review	\$ 500.00	4.50	\$ 2,250.00
11/17/09	Ko	Complete 100 yr O&M sensitivity analysis for all 6 sites.	\$ 215.00	3.90	\$ 838.50
11/17/09	Ko	Assist with Expected Value sensitivity analysis per decision node for all 6 sites.	\$ 215.00	2.00	\$ 430.00
11/17/2009	Patti	Expected Value analysis for Decision Tree sites and cash flows per decision node.	\$ 155.00	3.60	\$ 558.00
11/17/2009	Patti	Adjust Decision Trees to represent calculated EV's per node.	\$ 155.00	3.90	\$ 604.50
11/17/2009	Tweliman	review dtrees w EV per remedy Willow Run, Syracuse, Moraine	\$ 330.00	2.30	\$ 759.00
11/18/2009	Patti	Expected Value analysis for Decision Tree sites and cash flows per decision node.	\$ 155.00	4.00	\$ 620.00
11/18/2009	Patti	Complete Decision Tree updates.	\$ 155.00	3.70	\$ 573.50
11/18/2009	Tweliman	review dtrees w EV per remedy Willow Run, Syracuse, Moraine, Massena, Buick City, Hyatt Clark	\$ 330.00	3.80	\$ 1,254.00
11/19/2009	Ko	Decision Tree Cash Flow Analysis	\$ 215.00	2.30	\$ 494.50
11/19/2009	Patti	Expected Value analysis for Decision Tree sites and cash flows per decision node.	\$ 155.00	2.80	\$ 434.00
11/19/2009	Patti	Analyze discrepancies between Buick City calculated EV and Output Statistics EV.	\$ 155.00	3.00	\$ 465.00
11/20/2009	Forrester	QC Moraine, Massena, Willow Run, & Hyatt Clark.	\$ 165.00	3.80	\$ 627.00
11/20/09	Ko	Prepare all main and supporting schedules for all 6 sites for second round submission.	\$ 215.00	4.00	\$ 860.00
11/20/09	Ko	Review November 1st submission for differences in costs in D-tree Cash Flow Models.	\$ 215.00	0.50	\$ 107.50
11/20/09	Ko	Perform Expected Value analysis per decision node for all 6 sites (based upon Nov 1st submission).	\$ 215.00	4.00	\$ 860.00
11/20/2009	Patti	Quality check Decision Tree Cash Flow models for error and consistency	\$ 155.00	4.00	\$ 620.00
11/20/2009	Tweliman	100 yr O&M sensitivity for Hyatt Clark	\$ 330.00	1.90	\$ 627.00
11/20/2009	Tweliman	Massena sensitivity offsite vs thermal options	\$ 330.00	2.30	\$ 759.00
11/21/2009	Tweliman	call to review dtree models w team	\$ 330.00	1.40	\$ 462.00
11/22/2009	Hansen	Review updated estimates, communication	\$ 500.00	1.50	\$ 750.00
11/22/2009	Tweliman	prepare supporting schedules for dtree models to send to Brattle	\$ 330.00	1.25	\$ 412.50
11/23/2009	Menees	Pre-teleconference discussion with Arcadis staff re	\$ 295.00	0.60	\$ 177.00
11/23/2009	Menees	Pre-teleconference discussion with Arcadis staff re	\$ 295.00	0.40	\$ 118.00
11/23/2009	Menees	Discussion with G. Hansen in advance of site	\$ 295.00	0.10	\$ 29.50
11/23/2009	Menees	Teleconference with MDEQ re MI sites, including	\$ 295.00	2.70	\$ 796.50
11/23/2009	Menees	Follow-up correspondence with Arcadis staff re	\$ 295.00	0.40	\$ 118.00
11/23/2009	Tweliman	revise dtree model willow run	\$ 330.00	2.80	\$ 924.00
11/23/2009	Tweliman	revise dtree model buick city	\$ 330.00	2.40	\$ 792.00
11/24/2009	Forrester	Update individual site writeups, convert to PDF.	\$ 165.00	3.00	\$ 495.00

11/24/2009	Forrester	Work on Site Remediation Status graph.	\$ 165.00	1.80	\$ 297.00
11/24/2009	Ko	Review of Decision Tree Cash Flow Analysis using Off-site Consolidation Remediation (Massena Site)	\$ 215.00	0.50	\$ 107.50
11/24/2009	Menees	Discussion with Arcadis staff re Willow Run site	\$ 295.00	1.60	\$ 472.00
11/24/2009	Menees	Formalize draft memorandum and supporting	\$ 295.00	4.20	\$ 1,239.00
11/24/2009	Menees	Discussions with Arcadis staff re analysis of Update all site write ups and graphs with adjusted Expected Value and 95th percentile, and PDF those documents	\$ 295.00	2.20	\$ 649.00
11/24/2009	Patti	Update MLC binder with new documents and write ups	\$ 155.00	4.00	\$ 620.00
11/24/2009	Patti	Update MLC binder with new documents and write ups	\$ 155.00	2.00	\$ 310.00
11/25/2009	Forrester	Work on Site Remediation Status graph.	\$ 165.00	2.30	\$ 379.50
11/25/2009	Hansen	Communications with R. Menees re: technical	\$ 500.00	0.40	\$ 200.00
11/25/2009	Menees	Correspondence with Arcadis staff re Willow Run	\$ 295.00	1.40	\$ 413.00
11/25/2009	Menees	Revise and update draft memorandum re Willow	\$ 295.00	3.20	\$ 944.00
11/25/2009	Menees	Provide edits to response to questions raised by	\$ 295.00	0.80	\$ 236.00
11/25/2009	Menees	Discussions with Arcadis staff re revised analysis	\$ 295.00	0.60	\$ 177.00
11/25/2009	Menees	Correspondence with Arcadis staff re Buick City	\$ 295.00	0.30	\$ 88.50
11/25/2009	Twellman	review revise willow run and bulck city dtree models	\$ 330.00	2.00	\$ 660.00
11/29/2009	Menees	Correspondence with G. Hansen re Buick City	\$ 295.00	0.10	\$ 29.50
11/30/2009	Forrester	Work on alternative CF scenarios.	\$ 165.00	3.80	\$ 627.00
11/30/2009	Forrester	Work on alternative site remedial status graphs.	\$ 165.00	2.30	\$ 379.50
11/30/2009	Menees	Discussions with Arcadis staff re LNAPL volume	\$ 295.00	0.80	\$ 236.00
11/30/2009	Menees	Correspondence with Claro staff re Buick City	\$ 295.00	0.20	\$ 59.00
11/30/2009	Menees	Correspondence with Arcadis staff re Buick City	\$ 295.00	0.80	\$ 236.00
11/30/2009	Twellman	bulck city sensitivity analysis	\$ 330.00	1.20	\$ 396.00
12/1/2009	Forrester	Work on alternative Site Remedial Status graphs. Distribute to team.	\$ 165.00	3.50	\$ 577.50
12/1/2009	Forrester	Work on alternative sensitivity for Buick City.	\$ 165.00	2.00	\$ 330.00
12/1/2009	Menees	Development of supporting materials for Willow Run decision tree analysis	\$ 295.00	1.80	\$ 531.00
12/1/2009	Menees	Review and revisions to Buick City decision tree analysis model	\$ 295.00	2.40	\$ 708.00
12/1/2009	Menees	Prepare draft memorandum regarding LNAPL volumes at Buick City site	\$ 295.00	3.60	\$ 1,062.00
12/1/2009	Menees	Correspondence with H&A staff regarding revisions to Buick City decision tree and supporting analysis	\$ 295.00	1.40	\$ 413.00
12/1/2009	Menees	Discussions with Claro staff re Buick City model	\$ 295.00	0.80	\$ 236.00
12/1/2009	Patti	Emails with Rob Menees regarding updated Buick City and Willow Run results.	\$ 155.00	0.50	\$ 77.50
12/1/2009	Twellman	Review and discuss Buick City model.	\$ 330.00	1.70	\$ 561.00
12/2/2009	Menees	Review Buick City and Willow Run decision tree analyses in advance of USEPA Region 5 teleconference	\$ 295.00	1.20	\$ 354.00
12/2/2009	Menees	Teleconference meeting with USEPA Region 5 staff re MLC Region 5 sites; including Buick City and Willow Run	\$ 295.00	6.30	\$ 1,858.50
12/2/2009	Menees	Discussion with Claro staff re USEPA Region 5 teleconference	\$ 295.00	0.40	\$ 118.00
12/2/2009	Twellman	Review and update Buick City model	\$ 330.00	1.80	\$ 594.00
12/3/2009	Menees	Follow-up correspondence with Arcadis and H&A staff re Buick City site	\$ 295.00	0.80	\$ 177.00
12/3/2009	Menees	Follow-up discussion with Claro staff re USEPA Region 5 teleconference	\$ 295.00	0.40	\$ 118.00
12/3/2009	Twellman	Review Buick City and Willow Run decision tree analyses	\$ 330.00	1.70	\$ 561.00
12/4/2009	Forrester	Produce @Risk stats based on 100yr sensitivity for Hyatt Clark, Buick City, and Moraine.	\$ 165.00	1.00	\$ 165.00
12/4/2009	Ko	Sensitivity Analysis - 100 yrs of O&M for 18 additional sites	\$ 215.00	3.00	\$ 645.00
12/4/2009	Menees	Development of analysis re LNAPL recovery scenarios for Buick City site	\$ 295.00	3.80	\$ 1,121.00
12/4/2009	Menees	Review documents and related data re LNAPL at Buick City	\$ 295.00	1.60	\$ 472.00
12/4/2009	Menees	Correspondence with Claro staff re Buick City LNAPL recovery scenarios	\$ 295.00	0.30	\$ 88.50
12/4/2009	Twellman	Review Moraine decision tree analyses	\$ 330.00	1.80	\$ 594.00
12/7/2009	Hansen	Review MI proof of claim re: Willow Run and research into cited sources of cost information, communication with LFR	\$ 500.00	1.90	\$ 950.00
12/7/2009	Menees	Correspondence with Arcadis and Claro staff re MDEQ Proof of Claim supporting documents	\$ 295.00	0.60	\$ 177.00
12/7/2009	Menees	Review MDEQ Proof of Claim supporting documents	\$ 295.00	1.60	\$ 472.00
12/7/2009	Patti	Update the 6 sites with 100 years of cash flows for sensitivity analysis.	\$ 155.00	1.10	\$ 170.50
12/8/2009	Hansen	Review of MI site decision trees	\$ 500.00	1.30	\$ 650.00
12/8/2009	Hansen	Comments on site summary document for decision tree sites	\$ 500.00	4.40	\$ 2,200.00
12/8/2009	Menees	Correspondence with H&A staff re Buick City LNAPL volume and recovery estimates	\$ 295.00	0.80	\$ 236.00
12/8/2009	Menees	Development of revised scenarios re LNAPL recovery at Buick City	\$ 295.00	2.40	\$ 708.00
12/8/2009	Menees	Discussion with Arcadis staff re Willow Run MDEQ Proof of Claim	\$ 295.00	0.80	\$ 236.00
12/8/2009	Menees	Discussion with G. Hansen re Willow Run LNAPL analysis	\$ 295.00	0.30	\$ 88.50
12/9/2009	Menees	Correspondence with Arcadis staff re new data re LNAPL plumes at Willow Run site	\$ 295.00	0.60	\$ 177.00
12/9/2009	Menees	Review new data re Willow Run LNAPL plumes	\$ 295.00	1.40	\$ 413.00
12/9/2009	Twellman	Update Willow Run and Buick City decion models.	\$ 330.00	2.20	\$ 726.00
12/10/2009	Menees	Correspondence w/ Arcadis staff re Buick City LNAPL recovery scenarios & related cost estimates	\$ 295.00	1.20	\$ 354.00
12/10/2009	Menees	Correspondence with Arcadis and Claro staff re planned MDEQ meeting	\$ 295.00	0.20	\$ 59.00
12/11/2009	Forrester	Run two alternative sensitivities for Hyatt Clark.	\$ 165.00	1.00	\$ 165.00
12/11/2009	Forrester	Construct new sensitivity for Syracuse based on Brattle Group comments.	\$ 165.00	1.80	\$ 297.00
12/11/2009	Hansen	Phone call on Syracuse with NYDEC and Brattle	\$ 500.00	0.80	\$ 400.00
12/11/2009	Menees	Correspondence with Claro staff re status of Buick City and Willow Run site analyses	\$ 295.00	0.30	\$ 88.50
12/14/2009	Forrester	Finish new Syracuse scenario model based on Brattle Group comments.	\$ 165.00	2.80	\$ 462.00
12/14/2009	Forrester	Update schedule of contingencies for internal reference.	\$ 165.00	1.80	\$ 297.00
12/14/2009	Forrester	Update Syracuse decision tree to reflect Brattle Group comments.	\$ 165.00	0.80	\$ 132.00
12/14/2009	Hansen	Review site summary across portfolio	\$ 500.00	2.60	\$ 1,300.00
12/14/2009	Hansen	MDEQ Preparation Call	\$ 500.00	1.20	\$ 600.00
12/14/2009	Hansen	Status call with MLC team	\$ 500.00	2.50	\$ 1,250.00
12/14/2009	Hansen	Review workproduct re: portfolio analysis assumption and result	\$ 500.00	1.30	\$ 650.00
12/14/2009	Ko	Perform sensitivity analysis for Bulck City related to Recovered Product Disposal in D-tree Cash Flow Model.	\$ 215.00	3.00	\$ 645.00
12/14/2009	Krock	Reviewed memo.	\$ 395.00	1.80	\$ 711.00
12/14/2009	Menees	Correspondence with Arcadis, H&A and Claro staff re Buick City decision tree revisions	\$ 295.00	1.20	\$ 354.00
12/14/2009	Menees	Revise Buick City decision tree and LNAPL recovery scenarios	\$ 295.00	1.80	\$ 531.00
12/14/2009	Twellman	Syracuse alternative remedial scenarios	\$ 330.00	1.90	\$ 627.00
12/14/2009	Twellman	Buick City alternative remedial scenarios	\$ 330.00	2.30	\$ 759.00
12/14/2009	Twellman	Contingency comparison to Brattle analysis.	\$ 330.00	1.40	\$ 462.00
12/15/2009	Forrester	Create alternative "Site Remedial Status" graphs.	\$ 165.00	0.50	\$ 82.50
12/15/2009	Forrester	Update schedule of contingencies for internal reference.	\$ 165.00	1.50	\$ 247.50
12/15/2009	Forrester	Run @Risk results for 3 alternative Buick City scenarios.	\$ 165.00	0.50	\$ 82.50
12/15/2009	Hansen	Prep. call for call w/ MDEQ (M. Hashem, L. McBurney, J. McKenna, R. Menees, D. McMurtry, S. Gaito)	\$ 500.00	2.40	\$ 1,200.00
12/15/2009	Hansen	Analysis & communications re: Post-closure O&M durations (D. McMurtry, B. Twellman, D. McMurtry)	\$ 500.00	1.20	\$ 600.00
12/15/2009	Hansen	Communications with R. Menees re: Buick City analysis	\$ 500.00	0.50	\$ 250.00

12/15/2009	Hansen	Review MI site analyses, by site	\$ 500.00	2.80	\$ 1,400.00
12/15/2009	Ko	Phone call with Robert Manees to discuss sensitivity analysis for Buick City.	\$ 215.00	0.50	\$ 107.50
12/15/2009	Ko	Perform sensitivity analysis related to Recovered Product Disposal for 15 and 9 system ER for Buick City.	\$ 215.00	2.00	\$ 430.00
12/15/2009	Ko	Perform sensitivity analysis related to Recovered Product Disposal for alternative System ER for Buick City.	\$ 215.00	3.20	\$ 688.00
12/15/2009	Ko	Perform sensitivity analysis related to Recovered Product Disposal for alternative System ER for Buick City.	\$ 215.00	1.00	\$ 215.00
12/15/2009	Menees	Discussions with Arcadis staff re revised analysis of LNAPL volumes at Willow Run	\$ 295.00	1.30	\$ 383.50
12/15/2009	Menees	Teleconference w/ MLC team re prep for MDEQ teleconference meeting re Willow Run & other sites	\$ 295.00	0.70	\$ 208.50
12/15/2009	Menees	Discussions with Claro staff re revised decision tree and LNAPL recovery volumes at Buick City	\$ 295.00	0.80	\$ 236.00
12/15/2009	Menees	Discussions with H&A staff re revised decision tree analysis & related LNAPL volumes at Buick City	\$ 295.00	0.90	\$ 265.50
12/15/2009	Menees	Revise Buick City decision tree and LNAPL recovery scenarios	\$ 295.00	2.40	\$ 708.00
12/16/2009	Forrester	Implement laddered discount rates to portfolio.	\$ 165.00	0.30	\$ 49.50
12/16/2009	Menees	Teleconference with MDEQ staff re Willow Run site	\$ 295.00	1.80	\$ 531.00
12/16/2009	Menees	Discussions with Claro staff re revised Buick City model	\$ 295.00	0.80	\$ 236.00
12/16/2009	Menees	QC review of revised Buick City model and results	\$ 295.00	1.40	\$ 413.00
12/16/2009	Patti	Update MLC Summary Remediation Cost file to account for calculated laddered rates.	\$ 155.00	2.30	\$ 356.50
12/16/2009	Patti	Analyze laddered rates and variance between our calculation and Arcadis' analysis.	\$ 155.00	2.00	\$ 310.00
12/16/2009	Twellman	Buick City alternative remedial scenarios	\$ 330.00	1.40	\$ 462.00
12/17/2009	Forrester	Calculate portfolio 65th percentile, based on 30 Yrs and 2009\$.	\$ 165.00	1.30	\$ 214.50
12/17/2009	Forrester	Calculate portfolio 65th percentile based on 30 Yrs and discounted.	\$ 165.00	1.30	\$ 214.50
12/17/2009	Forrester	Calculate portfolio 65th percentile based on 30 Yrs and 3.25% Inflation.	\$ 165.00	1.30	\$ 214.50
12/17/2009	Forrester	Calculate EV and 95th percentile for 3 alternative Buick City scenarios.	\$ 165.00	2.00	\$ 330.00
12/17/2009	Hansen	Phone call with R. Menees re: Willow Run	\$ 500.00	0.30	\$ 150.00
12/17/2009	Hansen	Phone call re: Willow Run NAPL	\$ 500.00	1.20	\$ 600.00
12/17/2009	Ko	Make revisions to sensitivity analysis related to Recovered Product Disposal for 13 System ER for Buick City.	\$ 215.00	1.00	\$ 215.00
12/17/2009	Menees	Teleconference with Arcadis and MLC staff re Willow Run LNAPL data and decision tree analysis	\$ 295.00	1.80	\$ 531.00
12/17/2009	Menees	Complete QC review of revised Buick City model and results	\$ 295.00	1.60	\$ 472.00
12/17/2009	Menees	Discussions with Claro staff re LNAPL volume estimates for Buick City	\$ 295.00	0.80	\$ 236.00
12/17/2009	Menees	Discussions with Arcadis staff re LNAPL volume estimates for Willow Run	\$ 295.00	0.60	\$ 177.00
12/17/2009	Patti	Update MLC Remediation Cost Summary reflecting 3% inflation and 4.5% discounting scenario and 3.25% inflation 0% discounting scenario for all sites.	\$ 155.00	0.90	\$ 139.50
12/17/2009	Patti	EV Calculation of three different scenarios for Buick City.	\$ 155.00	1.80	\$ 279.00
12/17/2009	Twellman	Willow Run alternative remedial scenarios	\$ 330.00	2.25	\$ 742.50
12/18/2009	Forrester	Make changes to Buick City models (all 3 alternative scenarios) and produce results in @Risk.	\$ 165.00	1.50	\$ 247.50
12/18/2009	Forrester	Work on Buick City cost analysis.	\$ 165.00	2.30	\$ 379.50
12/18/2009	Forrester	Calculate 10 Yr, discounted portfolio statistics.	\$ 165.00	3.30	\$ 544.50
12/18/2009	Hansen	Phone call with D. Kaiting, S. Gaito, R. Menees, D. McMurtry re: Buick City analysis	\$ 500.00	1.10	\$ 550.00
12/18/2009	Ko	Double-checked for logical accuracy of new sensitivity analysis for Buick City.	\$ 215.00	2.50	\$ 537.50
12/18/2009	Menees	Teleconference with Arcadis, H&A and MLC staff re Buick City LNAPL data & decision tree analysis	\$ 295.00	0.80	\$ 236.00
12/18/2009	Menees	Discussions with Arcadis staff re Willow Run LNAPL data	\$ 295.00	0.60	\$ 177.00
12/18/2009	Menees	Follow-up discussion with Claro staff re Buick City LNAPL teleconference	\$ 295.00	0.40	\$ 118.00
12/18/2009	Twellman	Superfund site dtree analysis and remedial options	\$ 330.00	1.80	\$ 594.00
12/20/2009	Hansen	Updates to site differences summary	\$ 500.00	0.80	\$ 400.00
12/20/2009	Twellman	Massena dtree sensitivity and results	\$ 330.00	1.70	\$ 561.00
12/20/2009	Twellman	Superfund site dtree analysis and results	\$ 330.00	1.60	\$ 528.00
12/21/2009	Forrester	Create a new D-Tree for the Superfund Site.	\$ 165.00	2.80	\$ 462.00
12/21/2009	Forrester	Reconcile D-Trees for Massena, Syracuse, Willow Run, & Buick City with Brattle Group methodology.	\$ 165.00	1.30	\$ 214.50
12/21/2009	Forrester	Work on cash flow model for Superfund Site.	\$ 165.00	2.00	\$ 330.00
12/21/2009	Hansen	Call with R. Menees re: Buick City/Willow Run	\$ 500.00	0.20	\$ 100.00
12/21/2009	Hansen	Review Massena revised volumes and analysis	\$ 500.00	0.30	\$ 150.00
12/21/2009	Hansen	Call with B. Twellman re: Massena analysis	\$ 500.00	0.20	\$ 100.00
12/21/2009	Ko	Create Nominal (2009 Dollars) and Discounted Cash Flow templates for Superfund Site.	\$ 215.00	3.00	\$ 645.00
12/21/2009	Ko	Develop probabilistic model template for Superfund Site.	\$ 215.00	3.00	\$ 645.00
12/21/2009	Twellman	Superfund site dtree analysis and results	\$ 330.00	1.40	\$ 462.00
12/21/2009	Twellman	Decision tree pictures w EV reconciliation	\$ 330.00	1.80	\$ 594.00
12/21/2009	Twellman	Massena dtree sensitivity and results	\$ 330.00	1.30	\$ 429.00
12/22/2009	Forrester	Work on summary results file.	\$ 165.00	4.00	\$ 660.00
12/22/2009	Forrester	Pull 75th percentile statistic for 10 yr scenarios.	\$ 165.00	1.00	\$ 165.00
12/22/2009	Killian	Discussion w Twellman re soil volume issue at Massena	\$ 450.00	0.20	\$ 90.00
12/22/2009	Ko	Quality Control Review probabilistic model for Superfund Site.	\$ 215.00	1.50	\$ 322.50
12/22/2009	Ko	Revise D-tree Model for Superfund Site.	\$ 215.00	0.50	\$ 107.50
12/22/2009	Ko	Perform Expected Value analysis per decision node for Superfund Site.	\$ 215.00	0.50	\$ 107.50
12/22/2009	Ko	Quality Control Review of probabilistic models for Moraine.	\$ 215.00	0.50	\$ 107.50
12/22/2009	Menees	Correspondence with Arcadis and H&A staff re Buick City LNAPL volume analysis	\$ 295.00	0.40	\$ 118.00
12/22/2009	Twellman	Superfund site dtree analysis and results	\$ 330.00	1.80	\$ 594.00
12/22/2009	Twellman	Massena dtree sensitivity and results	\$ 330.00	1.60	\$ 528.00
12/22/2009	Twellman	Decision tree pictures w EV reconciliation	\$ 330.00	1.20	\$ 396.00
12/23/2009	Forrester	QC the Superfund cash flow model.	\$ 165.00	0.80	\$ 132.00
12/23/2009	Menees	Correspondence with Arcadis and H&A staff re Buick City LNAPL volume analysis	\$ 295.00	0.60	\$ 177.00
12/23/2009	Menees	Review results of LNAPL volume modeling prepared by Arcadis & H&A staff	\$ 295.00	0.80	\$ 236.00
12/28/2009	Menees	Correspondence with Arcadis and H&A staff re Buick City LNAPL volume analysis	\$ 295.00	0.60	\$ 177.00
12/28/2009	Menees	Review additional data re Buick City LNAPL volume analysis	\$ 295.00	0.80	\$ 236.00
12/28/2009	Menees	Teleconference with Arcadis, H&A and MLC staff re Buick City LNAPL volume analysis and related decision tree analysis	\$ 295.00	1.80	\$ 531.00
12/28/2009	Menees	Follow-up discussion with Claro staff re Buick City LNAPL teleconference	\$ 295.00	0.30	\$ 88.50
12/28/2009	Twellman	Massena dtree sensitivity and results	\$ 330.00	1.70	\$ 561.00
12/29/2009	Menees	Correspondence with H&A and MLC staff re Flint West site cost estimate	\$ 295.00	0.80	\$ 236.00
12/29/2009	Twellman	Willow Run alternative remedial scenarios	\$ 330.00	1.90	\$ 627.00
12/30/2009	Hansen	Prepare and phone call with D. Kaiting, S. Gaito, R. Menees re: Buick City	\$ 500.00	1.30	\$ 650.00
12/30/2009	Hansen	Phone call with D. McMurtry re: buick City, other sites	\$ 500.00	0.30	\$ 150.00
12/30/2009	Hansen	Phone calls with B. Twellman re: Massena, Government analyses	\$ 500.00	0.30	\$ 150.00
12/30/2009	Menees	Teleconference with H&A and MLC staff re Flint West site cost estimate	\$ 295.00	0.70	\$ 208.50
12/30/2009	Menees	Develop draft revised LNAPL section of Buick City decision tree	\$ 295.00	1.60	\$ 472.00
12/30/2009	Menees	Teleconference with Arcadis, H&A and MLC staff re Buick City LNAPL volume analysis and related decision tree analysis	\$ 295.00	1.30	\$ 383.50
12/30/2009	Menees	Correspondence with MLC team re Buick City LNAPL volume analysis & related decision tree analysis	\$ 295.00	0.40	\$ 118.00
12/30/2009	Twellman	Massena dtree volume sensitivity and calls w ARCADIS	\$ 330.00	2.20	\$ 726.00

12/30/2009	Twellman	Buick City alternative remedial scenarios	\$ 330.00	1.80 \$	594.00
12/31/2009	Hansen	Phone call with D. McMurtry, P. Barnett, D. McMurtry, B. Twellman, Ray Kopp re: Massena	\$ 500.00	1.00 \$	500.00
12/31/2009	Hansen	Phone call with D. Kaiting, D. McMurtry, R. Menees, re: Buick City	\$ 500.00	1.30 \$	650.00
12/31/2009	Menees	Teleconference with Arcadis, H&A and MLC staff re Buick City LNAPL volume analysis and related decision tree analysis	\$ 295.00	1.30 \$	383.50
12/31/2009	Menees	Develop draft revised LNAPL section of Buick City decision tree	\$ 295.00	0.80 \$	236.00
12/31/2009	Menees	Correspondence with MLC team re Buick City LNAPL volume analysis & related decision tree analysis	\$ 295.00	0.30 \$	88.50
12/31/2009	Twellman	Prepare and call w team RE: Massena volumes	\$ 330.00	1.30 \$	429.00
12/31/2009	Twellman	Update Massena d-tree volume sensitivity	\$ 330.00	1.60 \$	528.00
01/04/2010	Forrester	Locate Brattle Group notes related to Massena.	\$ 175.00	0.30 \$	52.50
01/05/2010	Forrester	Site D-tree analysis for Syracuse and Massena	\$ 175.00	1.00 \$	175.00
01/05/2010	Forrester	Site D-tree analysis for Willow Run, Buick City, Massena and Syracuse	\$ 175.00	3.00 \$	525.00
01/06/2010	Forrester	Analysis for Massena and Moraine	\$ 175.00	1.80 \$	315.00
01/07/2010	Forrester	Add new volume areas to Massena D-Tree.	\$ 175.00	3.00 \$	525.00
01/05/2010	Hansen	Discuss Willow Run/Buick City analyses with R. Menees	\$ 500.00	0.30 \$	150.00
01/05/2010	Hansen	Attend beginning of phone call on Willow Run with Ken Richards, M. Hashem, D. McMurtry, R. Menees, D. Berz	\$ 500.00	0.50 \$	250.00
01/11/2010	Hansen	Discuss Willow Run meeting with R. Menees	\$ 500.00	0.50 \$	250.00
01/12/2010	Hansen	Discussion with Brattle re: site estimate differences	\$ 500.00	0.50 \$	250.00
01/12/2010	Hansen	Meeting with B. Twellman, A. Forrester, M. Patti re: site analyses	\$ 500.00	2.10 \$	1,050.00
01/12/2010	Hansen	Phone call with R. Kapp re: Massena analysis	\$ 500.00	0.60 \$	300.00
01/12/2010	Hansen	Phone call with S. Gaito re: Willow Run/Buick City Status	\$ 500.00	0.30 \$	150.00
01/13/2010	Hansen	Discuss Massena analysis with B. Twellman	\$ 500.00	0.20 \$	100.00
01/13/2010	Hansen	Review decision tree component comparison work-product and comment	\$ 500.00	1.10 \$	550.00
01/14/2010	Hansen	Communications w/ M. Hashem, D. McMurtry, R. Hare re: W. Run, B. City	\$ 500.00	0.20 \$	100.00
01/15/2010	Hansen	Review Buick City analysis	\$ 500.00	0.50 \$	250.00
01/15/2010	Hansen	Buick City phone call with R. Hare, D. McMurtry, M. Hashem, D. Kaiting, R. Menees	\$ 500.00	0.70 \$	350.00
01/15/2010	Hansen	Review Massena analysis	\$ 500.00	1.20 \$	600.00
01/15/2010	Hansen	Discuss Massena analysis with B. Twellman	\$ 500.00	0.50 \$	250.00
01/18/2010	Hansen	Review Buick City analyses	\$ 500.00	1.50 \$	750.00
01/19/2010	Hansen	Reivew Massena analysis	\$ 500.00	0.70 \$	350.00
01/20/2010	Hansen	Review Willow Run status	\$ 500.00	0.90 \$	450.00
01/20/2010	Hansen	Review/develop Massena analysis (w/ A. Forrester, B. Twellman)	\$ 500.00	3.40 \$	1,700.00
01/21/2010	Hansen	Review Massena volume analysis	\$ 500.00	1.90 \$	950.00
01/29/2010	Hansen	Review potential Massena d-tree revisions and analysis	\$ 500.00	0.60 \$	300.00
01/29/2010	Hansen	Work on spreadsheet summarizing differences b/t Govt and MLC baselines	\$ 500.00	1.60 \$	800.00
01/04/2010	Menees	Correspondence with Claro staff re action items for Buick City and Willow Run	\$ 295.00	0.20 \$	59.00
01/05/2010	Menees	Discussions with Claro staff re schedule of activities for Willow Run and Buick City site	\$ 295.00	0.40 \$	118.00
01/05/2010	Menees	Teleconference with MLC team re prep for CRA and MDEQ meetings re Willow Run site	\$ 295.00	1.60 \$	472.00
01/05/2010	Menees	Review documents and related data re Willow Run site	\$ 295.00	1.20 \$	354.00
01/11/2010	Menees	Correspondence with Arcadis staff re Willow Run decision tree analysis	\$ 295.00	0.30 \$	88.50
01/12/2010	Menees	Correspondence with Arcadis staff re Willow Run decision tree analysis	\$ 295.00	0.40 \$	118.00
01/12/2010	Menees	Review revised LNAPL volume and cost estimates for Buick City site.	\$ 295.00	2.20 \$	649.00
01/13/2010	Menees	Correspondence with H&A staff re revised LNAPL volume and cost estimates for Buick City site.	\$ 295.00	0.40 \$	118.00
01/13/2010	Menees	Review revised LNAPL volume and cost estimates for Buick City site.	\$ 295.00	1.60 \$	472.00
01/14/2010	Menees	Correspondence with MLC team re teleconference re Buick City and Willow Run	\$ 295.00	0.30 \$	88.50
01/15/2010	Menees	Teleconference with MLC team re Buick City LNAPL and cost estimates	\$ 295.00	0.90 \$	265.50
01/15/2010	Menees	Correspondence with MLC team re follow-up discussions re Buick City and Willow Run site analyses	\$ 295.00	0.60 \$	177.00
01/18/2010	Menees	Review revised LNAPL volume and cost estimates for Buick City site.	\$ 295.00	0.80 \$	236.00
01/18/2010	Menees	Teleconference with MLC team re Buick City LNAPL and cost estimates	\$ 295.00	1.80 \$	531.00
01/20/2010	Menees	Teleconference with MLC team re Willow Run LNAPL and cost estimates	\$ 295.00	1.70 \$	501.50
01/21/2010	Menees	Correspondence with Arcadis staff re Willow Run data collection effort	\$ 295.00	0.40 \$	118.00
01/22/2010	Menees	Correspondence with Arcadis staff re Willow Run data collection effort	\$ 295.00	0.20 \$	59.00
01/25/2010	Menees	Correspondence with Arcadis staff re Willow Run data collection effort	\$ 295.00	0.30 \$	88.50
01/26/2010	Menees	Correspondence with MLC team re Willow Run data collection effort	\$ 295.00	0.40 \$	118.00
01/28/2010	Menees	Correspondence with MLC team re follow-up discussions re Buick City and Willow Run site analyses	\$ 295.00	0.60 \$	177.00
12/9/2009	Hansen	Communication with M. Hashem, P. Barnett re: MI sites	\$ 500.00	0.90 \$	450.00
01/07/2010	Forrester	Change existing Massena D-Tree volumes to reflect revised estimates.	\$ 175.00	1.80 \$	315.00
01/09/2010	Forrester	Begin to revise Massena CF model based on new volume areas and estimates.	\$ 175.00	2.30 \$	402.50
01/11/2010	Forrester	Work on site analysis comparison per node worksheet for Massena.	\$ 175.00	1.80 \$	315.00
01/12/2010	Forrester	Meeting with Hansen, Twellman, and Patti regarding Massena, Willow Run, Syracuse, & Buick City	\$ 175.00	1.00 \$	175.00
01/12/2010	Forrester	Begin calculating new volumes by concentration based on new figures provided during meeting.	\$ 175.00	2.50 \$	437.50
01/13/2010	Forrester	Work on Massena D-Tree based on new calculated volumes.	\$ 175.00	1.50 \$	262.50
01/14/2010	Forrester	QC Massena D-Tree volume calculations with B Twellman	\$ 175.00	0.80 \$	140.00
01/14/2010	Forrester	Update Massena D-Tree with new volume numbers	\$ 175.00	0.80 \$	140.00
01/14/2010	Forrester	Portfolio analysis and sensitivities	\$ 175.00	1.50 \$	262.50
01/15/2010	Forrester	Finish update of Massena D-Tree with updated volumes	\$ 175.00	0.80 \$	140.00
01/15/2010	Forrester	Incorporating new thermal #'s into cash flow model	\$ 175.00	2.50 \$	437.50
01/15/2010	Forrester	Create a volume comparison worksheet for Massena	\$ 175.00	2.00 \$	350.00
01/18/2010	Forrester	Finish updating Thermal worksheet in Massena CF model	\$ 175.00	3.00 \$	525.00
01/19/2010	Forrester	Update Offsite Disposal worksheet in Massena CF model. Generate @Risk results based on multiple scenarios and construct summary worksheet.	\$ 175.00	3.80 \$	665.00
01/20/2010	Forrester	Meeting re Massena volumes. Work on Massena Volume Comparison worksheet.	\$ 175.00	1.30 \$	227.50
01/21/2010	Forrester	Work on Massena Volume Comparison worksheet	\$ 175.00	1.50 \$	262.50
01/22/2010	Forrester	Portfolio analysis	\$ 175.00	0.80 \$	140.00
01/22/2010	Forrester	Update Massena volumes and sensitivities analysis	\$ 175.00	3.30 \$	577.50
01/26/2010	Forrester	Update Massena volumes.	\$ 175.00	0.80 \$	140.00
01/26/2010	Forrester	Begin to add GW extraction well system to D-Tree and CF model.	\$ 175.00	1.50 \$	262.50
01/27/2010	Forrester	Add GW extraction well system to D-Tree and CF model	\$ 175.00	2.80 \$	490.00
01/27/2010	Forrester	Re-run three Massena scenarios and produce @risk results.	\$ 175.00	0.50 \$	87.50
01/29/2010	Forrester	Update Massena D-Tree and CF Model, produce @Risk Outputs. QC.	\$ 175.00	3.00 \$	525.00
01/05/2010	Patti	Manual calculation of highest and lowest decision tree path for six sites	\$ 155.00	1.50 \$	232.50
01/06/2010	Patti	Portfolio analysis and sensitivities	\$ 155.00	1.60 \$	248.00
01/11/2010	Patti	Create table for Syracuse, comparing MLC and Government numbers for each Decision Tree node.	\$ 155.00	0.50 \$	77.50
01/11/2010	Patti	Complete Syracuse comparison table (MLC and Government basis).	\$ 155.00	1.00 \$	155.00
01/11/2010	Patti	Create table for Buick City, comparing MLC and Government numbers for each Decision Tree node.	\$ 155.00	2.50 \$	387.50
01/11/2010	Patti	Create table for Willow Run, comparing MLC and Government numbers for each Decision Tree node.	\$ 155.00	3.50 \$	542.50
01/12/2010	Patti	Edit Massena table, comparing MLC and Government numbers for each Decision Tree node.	\$ 155.00	0.40 \$	62.00

01/12/2010	Patti	Quality check and format comparison tables for Massena, Buick City, Willow Run, and Syracuse.	\$ 155.00	1.40	\$ 217.00
01/12/2010	Patti	Call discussing new volumes for Massena decision tree nodes.	\$ 155.00	1.00	\$ 155.00
		Create Syracuse Decision Tree that shows comparisons between Brattle's numbers and MLC's numbers per node, as well as additional decisions	\$ 155.00	2.00	\$ 310.00
01/12/2010	Patti	Discussion of tables and the Government and MLC basis for differences.	\$ 155.00	0.60	\$ 93.00
01/12/2010	Patti	Create Buick City Decision Tree comparing MLC's numbers and Brattle's numbers by decision tree node	\$ 155.00	1.00	\$ 155.00
01/13/2010	Patti	Create Massena Decision Tree comparing decision nodes for Brattle and MLC numbers & volumes	\$ 155.00	3.00	\$ 465.00
01/13/2010	Patti	Create Willow Run Decision Tree comparing decision nodes for Brattle and MLC numbers & volumes	\$ 155.00	4.00	\$ 620.00
01/13/2010	Patti	Format tables and decision trees and convert to pdf file	\$ 155.00	1.00	\$ 155.00
01/15/2010	Patti	Analyze source of LNAPL changes from adjusted Remediation Cost Estimate by Arcadis	\$ 155.00	2.40	\$ 372.00
01/28/2010	Patti	Manual mode calculation for Moraine.	\$ 155.00	0.40	\$ 62.00
01/29/2010	Patti	Quality check Massena Decision Tree and Model based on revised volumes.	\$ 155.00	0.80	\$ 124.00
01/04/2010	Twellman	replication of brattle willow run analysis	\$ 330.00	1.80	\$ 594.00
01/04/2010	Twellman	replication of brattle buick city analysis	\$ 330.00	1.60	\$ 528.00
01/04/2010	Twellman	replication of brattle massena analysis	\$ 330.00	1.90	\$ 627.00
01/05/2010	Twellman	revise individual site models for updated laddered inflation and discount rates	\$ 330.00	1.20	\$ 396.00
01/07/2010	Twellman	review dtree sensitivities for high and low outcomes	\$ 330.00	1.40	\$ 462.00
01/08/2010	Twellman	review and update revised Massena baseline. Incorporate changes into dtree model	\$ 330.00	1.70	\$ 561.00
01/08/2010	Twellman	review and update revised Syracuse baseline. Incorporate changes into dtree model	\$ 330.00	1.80	\$ 594.00
01/12/2010	Twellman	update Buick City dtree model and calls w Arcadis RE: Buick City supporting documents	\$ 330.00	1.80	\$ 594.00
01/13/2010	Twellman	review and update Willow Run dtree	\$ 330.00	1.80	\$ 594.00
01/13/2010	Twellman	review Massena updates w Ghansen and update Massena dtree.	\$ 330.00	1.50	\$ 495.00
01/14/2010	Twellman	review and update Syracuse dtree model	\$ 330.00	1.60	\$ 528.00
01/15/2010	Twellman	review and update Massena dtree model	\$ 330.00	1.60	\$ 528.00
01/15/2010	Twellman	review and update Syracuse dtree model	\$ 330.00	1.40	\$ 462.00
01/15/2010	Twellman	review and update Willow Run dtree model	\$ 330.00	1.50	\$ 495.00
01/18/2010	Twellman	review and update Buick City dtree model	\$ 330.00	1.50	\$ 495.00
01/18/2010	Twellman	review and update Massena dtree model	\$ 330.00	1.80	\$ 594.00
01/19/2010	Twellman	review and update Massena dtree model	\$ 330.00	1.50	\$ 495.00
01/20/2010	Twellman	call w Ray Kapp and Dan Casey to discuss Massena volumes	\$ 330.00	1.30	\$ 429.00
01/21/2010	Twellman	Massena volume discussion w Ray Kapp and Dan Casey. Update dtree model	\$ 330.00	1.80	\$ 594.00
01/22/2010	Twellman	review and update Massena volume changes and report results from dtree model	\$ 330.00	1.40	\$ 462.00
01/25/2010	Twellman	Call w Ray Kapp and Dan Casey to discuss Massena volumes and GW well estimate.	\$ 330.00	1.50	\$ 495.00
01/26/2010	Twellman	review GW well estimate. add to Massena dtree model and update dtree.	\$ 330.00	1.80	\$ 594.00
01/27/2010	Twellman	update Massena dtree model and run sensitivity results for volumes updates.	\$ 330.00	2.20	\$ 726.00
01/29/2010	Twellman	Massena sensitivities runs for updated EPA probabilities and volumes.	\$ 330.00	1.40	\$ 462.00
		updated MLC Massena dtree model for revised volumes and probabilities. compare results to EPA estimates.	\$ 330.00	1.50	\$ 495.00
01/29/2010	Twellman		\$ 330.00	1.50	\$ 495.00
Site-level D-Tree Cost Analysis Total				1,355.70	\$ 358,111.00
Portfolio-level Cost Analysis					
		Reconcile FTI site costs with Claro site costs for Lansing 3, Delphi Anderson/Monroe.			
10/12/2009	Forrester	Metal Fab Pittsburgh, Allison transmission.	\$ 165.00	2.50	\$ 412.50
10/12/2009	Forrester	Reconcile FTI site costs with Claro site costs for Buick City, Massena, Syracuse, and Moraine.	\$ 165.00	3.50	\$ 577.50
10/22/2009	Forrester	Work on results summary spreadsheet.	\$ 165.00	1.50	\$ 247.50
10/23/2009	Forrester	Work on site summary binder.	\$ 165.00	1.20	\$ 198.00
10/02/2009	Gennity	Create binder of Gayle Koch expert testimony	\$ 165.00	1.50	\$ 247.50
10/08/2009	Gennity	Online research RE: probabilistic	\$ 165.00	1.00	\$ 165.00
10/07/2009	Gennity	Online research RE: probabilistic	\$ 165.00	1.50	\$ 247.50
10/08/2009	Hansen	Review FTI analysis re: DiP reconciliation	\$ 500.00	0.30	\$ 150.00
10/19/2009	Hansen	Work on overview of probabilistic analysis	\$ 500.00	0.80	\$ 400.00
10/21/2009	Hansen	Draft of overview memo for probabilistic analysis	\$ 500.00	1.50	\$ 750.00
10/22/2009	Hansen	Discussion w/ B. Twellman re: use of statistics.	\$ 500.00	0.70	\$ 350.00
10/25/2009	Hansen	Review revised probabilistic analyses based on QC	\$ 500.00	1.20	\$ 600.00
10/25/2009	Hansen	Review / QC draft summary analysis	\$ 500.00	1.60	\$ 800.00
10/25/2009	Hansen	Phone calls w/ D. McMurtry/Arcadis re: portfolio	\$ 500.00	1.20	\$ 600.00
10/26/2009	Hansen	Review of revised portfolio analyses	\$ 500.00	0.70	\$ 350.00
10/26/2009	Hansen	Phone call w/ D. McMurtry re: portfolio analysis	\$ 500.00	0.10	\$ 50.00
10/27/2009	Hansen	Decision tree approach and portfolio analysis	\$ 500.00	2.20	\$ 1,100.00
10/28/2009	Hansen	review of portfolio analysis	\$ 500.00	0.60	\$ 300.00
10/29/2009	Killian	guidance on portfolio analysis	\$ 450.00	0.30	\$ 135.00
10/08/2009	Twellman	Review FTI analysis re: DiP reconciliation	\$ 330.00	0.50	\$ 165.00
10/08/2009	Twellman	create summary reconciliation	\$ 330.00	0.30	\$ 99.00
10/21/2009	Twellman	preliminary probabilistic model for Portfolio	\$ 330.00	3.60	\$ 1,188.00
10/22/2009	Twellman	preliminary probabilistic model for Portfolio	\$ 330.00	2.00	\$ 660.00
10/28/2009	Twellman	update preliminary probabilistic model for Portfolio	\$ 330.00	3.90	\$ 1,287.00
10/30/2009	Twellman	update portfolio model and QC	\$ 330.00	2.40	\$ 792.00
11/01/2009	Hansen	QC of decision tree overview, discount rate analysis, site-specific decision trees	\$ 500.00	4.20	\$ 2,100.00
11/01/2009	Twellman	create probability distributions for portfolio and prob distribution graphs by state.	\$ 330.00	3.00	\$ 990.00
11/10/2009	Hansen	Memo comparing LM/H to decision tree/portfolio approach	\$ 500.00	0.90	\$ 450.00
11/11/2009	Twellman	create inflated only portfolio sensitivity	\$ 330.00	2.20	\$ 726.00
11/11/2009	Twellman	revise rate sensitivity workbook tool	\$ 330.00	3.10	\$ 1,023.00
11/12/2009	Twellman	create portfolio results for Region 2	\$ 330.00	2.80	\$ 924.00
11/12/2009	Twellman	create 30 yr extrapolation approach slides	\$ 330.00	2.40	\$ 792.00
11/13/2009	Forrester	Work on graph based on cumulative total costs.	\$ 165.00	3.50	\$ 577.50
11/16/2009	Forrester	Work on schedule of CF's by year for 30 yrs.	\$ 165.00	3.00	\$ 495.00
11/16/2009	Forrester	Decision tree/cash flow analysis.	\$ 165.00	2.30	\$ 379.50
11/17/2009	Forrester	Work on schedule of CF's by year for 30 yrs.	\$ 165.00	4.00	\$ 660.00
11/17/2009	Forrester	Decision tree/cash flow analysis.	\$ 165.00	1.50	\$ 247.50
11/17/2009	Hansen	Spend analysis portfolio review	\$ 500.00	4.50	\$ 2,250.00
11/18/2009	Forrester	Work on schedule of CF's by year for 30 yrs.	\$ 165.00	3.30	\$ 544.50
11/18/2009	Forrester	Run @risk for 30yr CF stats.	\$ 165.00	2.50	\$ 412.50
11/23/2009	Forrester	Update Summary File/Graph.	\$ 165.00	3.30	\$ 544.50
11/23/2009	Hansen	Review, comment on LMH comparison memo	\$ 500.00	0.70	\$ 350.00
11/23/2009	Twellman	prepare updated dtree process memo and updated NPV memo and attachments	\$ 330.00	2.00	\$ 660.00
11/24/2009	Hansen	Work with B. Twellman/A Forrester on summary of	\$ 500.00	1.20	\$ 600.00
11/24/2009	Twellman	graph of sites by status category and by dtree site factor	\$ 330.00	1.80	\$ 594.00
11/30/2009	Twellman	alternative cash flow model sensitivities	\$ 330.00	1.80	\$ 594.00
12/3/2009	Twellman	Create and review sensitivity results for 100 yr O&M	\$ 330.00	1.80	\$ 594.00

12/4/2009	Twelmlan	Review sensitivity results for 100 yr O&M. Call w team to discuss	\$ 330.00	1.50	\$ 495.00
12/4/2009	Twelmlan	Review 6 decision tree sites 100yr O&M sensitivity and supporting details.	\$ 330.00	2.20	\$ 726.00
12/10/2009	Hansen	Review of post-closure O&M sensitivity analysis	\$ 500.00	0.90	\$ 450.00
12/10/2009	Twelmlan	Sensitivity Analysis - Buick City alternative remedial scenarios	\$ 330.00	1.60	\$ 528.00
12/11/2009	Hansen	Phone calls/communications with D. McMurtry/Joe Krock re: portfolio analysis	\$ 500.00	1.20	\$ 600.00
12/12/2009	Twelmlan	Sensitivity Analysis - correlation impact on remedial scenarios	\$ 330.00	2.20	\$ 726.00
12/12/2009	Twelmlan	Sensitivity Analysis - change in probability distribution impact to portfolio model	\$ 330.00	2.80	\$ 924.00
12/13/2009	Hansen	Communication re: portfolio analysis assumptions and result	\$ 500.00	1.20	\$ 600.00
12/13/2009	Hansen	Draft of workproduct re: portfolio analysis	\$ 500.00	1.60	\$ 800.00
12/13/2009	Twelmlan	Sensitivity Analysis - change in probability distribution impact to portfolio model	\$ 330.00	1.40	\$ 462.00
12/15/2009	Twelmlan	Prepare and call RE: alternative scenarios impact	\$ 330.00	1.50	\$ 495.00
12/15/2009	Twelmlan	Site remedial status portfolio analysis	\$ 330.00	1.60	\$ 528.00
12/16/2009	Twelmlan	100yr sensitivity w laddered treasury results	\$ 330.00	1.60	\$ 528.00
12/17/2009	Twelmlan	Create alternative statistics for portfolio model results.	\$ 330.00	1.75	\$ 577.50
12/21/2009	Twelmlan	Call w ARCADIS RE: baseline estimates. Update baselines in portfolio model.	\$ 330.00	1.60	\$ 528.00
01/02/2010	Twelmlan	Phone call with Greg Brusseau, B. Twelmlan re: differences b/t Brattle and MLC analysis	\$ 500.00	0.50	\$ 250.00
01/28/2010	Forrester	Manually calculate Brattle Baselines and EV's.	\$ 175.00	3.00	\$ 525.00
01/28/2010	Forrester	Create a workbook to compare MLC and Brattle Baseline/EVs for entire portfolio.	\$ 175.00	4.00	\$ 700.00
01/02/2010	Twelmlan	Prep and call with Greg Brusseau, G. Hansen re: differences b/t Brattle and MLC analysis	\$ 330.00	1.00	\$ 330.00
01/11/2010	Twelmlan	update portfolio analysis for updates to Massena and Syracuse three models	\$ 330.00	1.20	\$ 396.00
01/12/2010	Twelmlan	update portfolio analysis for updates to Buick City and Willow Run three models	\$ 330.00	1.50	\$ 495.00
01/14/2010	Twelmlan	update portfolio analysis w laddered rates	\$ 330.00	1.20	\$ 396.00
01/20/2010	Twelmlan	update portfolio analysis for revised Massena, BC, WR, Syracuse	\$ 330.00	1.50	\$ 495.00
01/21/2010	Twelmlan	update portfolio model and run results for updates to Massena, BC, WR, Syracuse	\$ 330.00	1.20	\$ 396.00
01/28/2010	Twelmlan	re-create EPA baseline estimates site-by-site. summary comparison file for D McMurtry	\$ 330.00	1.70	\$ 561.00
Portfolio-level Cost Analysis Total				133.85	\$ 41,891.00

Discounted Cash Flow Cost Analysis					
10/19/2009	Hansen	Memo on Inflation and discount rate	\$ 500.00	3.30	\$ 1,650.00
10/19/2009	Hansen	Prepare for and discussion of variances b/t DIP	\$ 500.00	1.20	\$ 600.00
10/19/2009	Hansen	Phone call on inflation, discount rate	\$ 500.00	0.90	\$ 450.00
10/19/2009	Hansen	Research on inflation rates	\$ 500.00	3.30	\$ 1,650.00
10/20/2009	Hansen	Phone call on Discount Rate	\$ 500.00	1.00	\$ 500.00
10/20/2009	Hansen	Review of D. McMurtry discount rate analysis	\$ 500.00	0.80	\$ 400.00
10/21/2009	Hansen	Review discount rate, agency	\$ 500.00	0.70	\$ 350.00
10/22/2009	Hansen	Phone calls w/ D. McMurtry re: discount rates, DIP	\$ 500.00	1.30	\$ 650.00
10/25/2009	Hansen	Phone call w/ K. Killian re: QC of methodology and	\$ 500.00	0.40	\$ 200.00
10/28/2009	Hansen	Review of statistical procedures with J. Krock	\$ 500.00	1.20	\$ 600.00
10/28/2009	Hansen	Revisions to D. Rate memo, update data	\$ 500.00	0.60	\$ 300.00
10/28/2009	Hansen	Review/revise overview memo and analysis	\$ 500.00	0.60	\$ 300.00
10/19/2009	Killian	Inflation and discount rates analysis and conf call	\$ 450.00	1.90	\$ 855.00
10/20/2009	Killian	Inflation and discount rate analysis; reviewing	\$ 450.00	1.20	\$ 540.00
10/27/2009	Killian	discounting analysis	\$ 450.00	2.20	\$ 990.00
10/28/2009	Killian	discounting analysis	\$ 450.00	0.50	\$ 225.00
10/30/2009	Killian	Inflation and discounting report and overview report editing	\$ 450.00	2.80	\$ 1,170.00
10/14/2009	Ko	Double-checked calculation for discount/inflation rate	\$ 215.00	0.50	\$ 107.50
10/28/2009	Krock	Provided assistance regarding discount and	\$ 395.00	3.20	\$ 1,264.00
10/29/2009	Krock	Analyzed discount and inflation rates.	\$ 395.00	0.80	\$ 316.00
10/30/2009	Krock	Reviewed memos; created table of discount	\$ 395.00	4.30	\$ 1,698.50
10/19/2009	Twelmlan	create discounted cash flow scenarios	\$ 330.00	3.50	\$ 1,155.00
10/20/2009	Twelmlan	create discounted cash flow scenarios	\$ 330.00	2.00	\$ 660.00
10/21/2009	Twelmlan	create discounted cash flow scenarios	\$ 330.00	3.90	\$ 1,287.00
10/28/2009	Twelmlan	update discounted cash flow model	\$ 330.00	3.50	\$ 1,155.00
10/30/2009	Twelmlan	discount rate memo	\$ 330.00	2.70	\$ 891.00
10/31/2009	Twelmlan	discount inflation model	\$ 330.00	1.40	\$ 462.00
11/01/2009	Krock	Reviewed memo and tabs.	\$ 395.00	0.70	\$ 276.50
11/01/2009	Twelmlan	create npv memo attachments	\$ 330.00	2.10	\$ 693.00
11/02/2009	Krock	Reviewed deck; reviewed analyses	\$ 395.00	0.70	\$ 276.50
11/04/2009	Krock	Prepared spend analysis.	\$ 395.00	2.40	\$ 948.00
11/04/2009	Twelmlan	create cash flows by year for investment options tool	\$ 330.00	1.50	\$ 495.00
11/05/2009	Hansen	Executive summary on discount rates drafting	\$ 500.00	0.70	\$ 350.00
11/05/2009	Hansen	Discuss/review spreadsheet on investment mix	\$ 500.00	0.50	\$ 250.00
11/05/2009	Krock	Prepared spend analysis	\$ 395.00	3.10	\$ 1,224.50
11/05/2009	Krock	Reviewed summaries	\$ 395.00	1.50	\$ 592.50
11/05/2009	Krock	Cc w/ G. Koch.	\$ 395.00	0.60	\$ 237.00
11/05/2009	Twelmlan	create discount rate memo and exhibits	\$ 330.00	2.50	\$ 825.00
11/06/2009	Hansen	Discount rate executive summary and supporting	\$ 500.00	1.40	\$ 700.00
11/06/2009	Hansen	Phone call with D. McMurtry re: discount rate	\$ 500.00	0.10	\$ 50.00
11/06/2009	Hansen	Modifications/discussion of funding/discount rate	\$ 500.00	0.50	\$ 250.00
11/06/2009	Krock	Reviewed and revised spend analysis.	\$ 395.00	2.80	\$ 1,027.00
11/08/2009	Twelmlan	call to discuss investment options model and revise model graphs.	\$ 330.00	2.50	\$ 825.00
11/09/2009	Hansen	Discount rate executive summary edits	\$ 500.00	0.40	\$ 200.00
11/09/2009	Hansen	Work on funding/discount rate sensitivity analysis	\$ 500.00	1.20	\$ 600.00
11/09/2009	Krock	Reviewed and revised cash flow analysis.	\$ 395.00	1.80	\$ 711.00
11/09/2009	Twelmlan	call to discuss investment options model and revise inputs.	\$ 330.00	1.30	\$ 429.00
11/09/2009	Twelmlan	call to discuss reinvestment of surplus funds in cash flow model and revise model.	\$ 330.00	1.60	\$ 528.00
11/10/2009	Hansen	Review funding/discount rate sensitivity analysis	\$ 500.00	0.20	\$ 100.00
11/10/2009	Hansen	Discuss funding/sensitivity tool with J. Krock	\$ 500.00	0.70	\$ 350.00
11/10/2009	Krock	Refined cash flow analysis.	\$ 395.00	2.50	\$ 987.50
11/10/2009	Krock	Prepared alternative version of cash flow analysis.	\$ 395.00	1.80	\$ 711.00
11/11/2009	Hansen	Review/revise funding/discount rate sensitivity tool	\$ 500.00	1.60	\$ 800.00
11/11/2009	Krock	Added options to cash flow analysis.	\$ 395.00	1.70	\$ 671.50
11/11/2009	Krock	Reviewed analysis.	\$ 395.00	2.70	\$ 1,066.50
11/12/2009	Hansen	Review cash flow analysis	\$ 500.00	0.70	\$ 350.00
11/12/2009	Hansen	Review funding/discount rate sensitivity analysis	\$ 500.00	0.80	\$ 400.00
11/12/2009	Killian	discussion, vetting with BT re investment model.	\$ 450.00	1.10	\$ 495.00
11/12/2009	Krock	Reviewed and revised cash flow analysis.	\$ 395.00	3.80	\$ 1,501.00
11/13/2009	Killian	discussion, vetting with GGH re preping for calls with Brattle, Investment model	\$ 450.00	0.80	\$ 360.00
11/13/2009	Krock	Reviewed spreadsheet; researched rates.	\$ 395.00	1.20	\$ 474.00

11/13/2009	Spinks	Review data sources for GM Bankruptcy "Spend Analysis Portfolio"	\$ 285.00	2.50	\$ 712.50
11/13/2009	Spinks	Discussions with GGH and BST regarding GM Bankruptcy and "Spend Analysis Portfolio" and formatting changes and design changes	\$ 285.00	0.50	\$ 142.50
11/13/2009	Spinks	Clean up formatting on spreadsheets in "Spend Analysis Portfolio"	\$ 285.00	3.00	\$ 855.00
11/13/2009	Twellman	review spend analysis tool functionality from Joe	\$ 330.00	0.80	\$ 264.00
11/16/2009	Spinks	Update alternative cash flow model in "Portfolio Spend Analysis"	\$ 285.00	2.00	\$ 570.00
11/16/2009	Spinks	Review data questions regarding "Portfolio Spend Analysis" with Joe Krock	\$ 285.00	0.50	\$ 142.50
11/16/2009	Spinks	Update data entry page in "Portfolio Spend Analysis"	\$ 285.00	1.50	\$ 427.50
11/16/2009	Spinks	QC "Portfolio Spend Analysis"	\$ 285.00	2.50	\$ 712.50
11/16/2009	Spinks	QC "Portfolio Spend Analysis"	\$ 285.00	1.50	\$ 427.50
11/17/2009	Krock	Reviewed analysis spreadsheet and prepared comments	\$ 395.00	2.10	\$ 829.50
11/17/2009	Spinks	Calls with Joe Krock to discuss updates to "Spend Analysis Portfolio"	\$ 285.00	0.50	\$ 142.50
11/17/2009	Spinks	Updates to "Spend Analysis Portfolio" based on feedback from Joe and review of formulas	\$ 285.00	1.50	\$ 427.50
11/18/2009	Krock	Prepared analysis spreadsheet.	\$ 395.00	2.80	\$ 1,108.00
11/19/2009	Krock	Reviewed and revised analysis spreadsheet;	\$ 395.00	3.20	\$ 1,264.00
		Discussions with George Hansen, Brian Twellman and Joe Krock re:			
11/19/2009	Spinks	Portfolio Analysis model	\$ 285.00	1.00	\$ 285.00
11/20/2009	Krock	Researched inflation rates.	\$ 395.00	3.40	\$ 1,343.00
		Draw up plans for updates to Portfolio Analysis Model and discuss w/ George Hansen and Brian Twellman	\$ 285.00	2.00	\$ 570.00
11/23/2009	Spinks	Updates to Portfolio Analysis model, adding main navigation menu and additional sensitivities	\$ 285.00	1.50	\$ 427.50
11/24/2009	Krock	Reviewed memo; checked analysis workbook.	\$ 395.00	1.30	\$ 513.50
11/24/2009	Krock	Checked analysis workbook.	\$ 395.00	2.60	\$ 1,027.00
		Discuss Spend Analysis Portfolio modifications and timing with George Hansen and Joe Krock via email and phone	\$ 285.00	1.00	\$ 285.00
11/24/2009	Spinks	Model two scenarios in Spend Analysis Portfolio	\$ 285.00	4.00	\$ 1,140.00
11/24/2009	Spinks	Update charts in Spend Analysis Portfolio based updated scenarios	\$ 285.00	2.00	\$ 570.00
11/25/2009	Hansen	Revise funding cash flow analysis, memorandum and analysis tool	\$ 500.00	4.50	\$ 2,250.00
11/25/2009	Krock	Reviewed analysis workbook.	\$ 395.00	2.40	\$ 948.00
11/25/2009	Krock	Conference call.	\$ 395.00	0.80	\$ 316.00
		Phone calls with George Hansen, Brian Twellman and Joe Krock to review changes to Portfolio Spend Analysis	\$ 285.00	1.00	\$ 285.00
11/25/2009	Spinks	Update Portfolio Spend Analysis to include spending delays	\$ 285.00	2.00	\$ 570.00
		Update charts in Spend Portfolio Analysis to include delayed cash flow spending scenarios	\$ 285.00	1.00	\$ 285.00
11/29/2009	Spinks	Review David McMurtry's recommended changes to the Funding Analysis	\$ 285.00	0.50	\$ 142.50
11/29/2009	Spinks	Emails to Brian Twellman and George Hansen to clarify changes made based on feedback	\$ 285.00	0.50	\$ 142.50
11/30/2009	Hansen	view revised cash flow analysis tool	\$ 500.00	0.50	\$ 250.00
11/30/2009	Hansen	Revisions to cash flow analysis tool	\$ 500.00	0.80	\$ 400.00
11/30/2009	Krock	Reviewed analysis workbook.	\$ 395.00	0.50	\$ 197.50
11/30/2009	Spinks	Make David McMurtry's changes to the Funding Analysis financial model	\$ 285.00	2.00	\$ 570.00
		Review correspondence from David McMurtry re: the Funding Analysis financial model	\$ 285.00	0.50	\$ 142.50
11/30/2009	Spinks	revise funding analysis tool	\$ 330.00	1.00	\$ 330.00
12/1/2009	Hansen	Relview funding analysis	\$ 500.00	0.70	\$ 350.00
12/1/2009	Spinks	Debrief with Brian Twellman regarding Funding Scenario model updates	\$ 285.00	0.30	\$ 85.50
12/1/2009	Twellman	Review funding analysis model. meeting to discuss.	\$ 330.00	1.50	\$ 495.00
12/10/2009	Krock	Researched statistical issues.	\$ 395.00	2.70	\$ 1,066.50
12/10/2009	Krock	Prepared analysis of statistical distributions.	\$ 395.00	2.20	\$ 869.00
12/10/2009	Krock	Reviewed correspondence.	\$ 395.00	0.80	\$ 316.00
12/11/2009	Krock	CC w/ G. Hansen & D. McMurtry; preparation for CC.	\$ 395.00	1.20	\$ 474.00
12/11/2009	Krock	Researched statistical issues.	\$ 395.00	3.30	\$ 1,303.50
12/11/2009	Krock	Prepared analysis.	\$ 395.00	1.00	\$ 395.00
12/12/2009	Krock	Researched statistical issues.	\$ 395.00	1.40	\$ 553.00
12/15/2009	Krock	Researched statistical issues.	\$ 395.00	3.10	\$ 1,224.50
12/15/2009	Krock	Edited memo.	\$ 395.00	1.20	\$ 474.00
12/16/2009	Krock	Researched cost estimation approaches.	\$ 395.00	3.40	\$ 1,343.00
12/16/2009	Krock	Researched alternative investments.	\$ 395.00	1.80	\$ 711.00
12/17/2009	Krock	Researched alternative investments.	\$ 395.00	3.20	\$ 1,264.00
12/17/2009	Krock	Reviewed analysis.	\$ 395.00	2.20	\$ 869.00
12/18/2009	Krock	Conference call re alternative Investments.	\$ 395.00	1.30	\$ 513.50
12/18/2009	Krock	Prepared for cc.	\$ 395.00	0.80	\$ 316.00
12/18/2009	Krock	Reviewed analysis and prepared file.	\$ 395.00	2.60	\$ 1,027.00
12/21/2009	Krock	Researched alternative Investments.	\$ 395.00	3.50	\$ 1,382.50
12/21/2009	Krock	Revised financial analysis.	\$ 395.00	1.50	\$ 592.50
12/22/2009	Krock	Researched alternative investments.	\$ 395.00	2.70	\$ 1,066.50
12/22/2009	Krock	Meeting re alternative investment strategies.	\$ 395.00	1.80	\$ 711.00
12/22/2009	Krock	Reviewed and revised financial model.	\$ 395.00	1.20	\$ 474.00
01/04/2010	Krock	Researched current and past interest rates and inflation forecasts.	\$ 395.00	3.50	\$ 1,382.50
01/04/2010	Krock	Revised damages model with current inflation and interest rates	\$ 395.00	1.40	\$ 553.00
01/05/2010	Krock	Researched inflation forecasts and interest rates.	\$ 395.00	2.60	\$ 1,027.00
01/05/2010	Krock	Revised and created charts of interest and inflation rates	\$ 395.00	3.30	\$ 1,303.50
01/09/2010	Krock	Reviewed MLC memo.	\$ 395.00	1.80	\$ 711.00
Discounted Cash Flow Cost Analysis Total				218.50	\$ 84,047.00

Insurance Analysis/Presentations Cost Analysis

10/15/2009	Hansen	Prepare for and phone call w/ J. Messenger	\$ 500.00	0.90	\$ 450.00
10/01/2009	Marlowe	GM - MLC conf call	\$ 390.00	0.50	\$ 195.00
10/19/2009	Marlowe	Review material	\$ 390.00	0.50	\$ 195.00
10/20/2009	Marlowe	conf. call - Insurance	\$ 390.00	1.00	\$ 390.00
11/06/2009	Forrester	Run new all site #'s based on only 10 yrs of future cash flows.	\$ 165.00	3.50	\$ 577.50
11/06/2009	Hansen	Phone call with Aon re: potential cost cap	\$ 500.00	0.80	\$ 400.00
11/09/2009	Forrester	Run scenario based on 10yr CF's without discounting for Insurance Analysis.	\$ 165.00	4.00	\$ 660.00
11/09/2009	Forrester	Run scenario based on 10yr CF's with discounting for Insurance Analysis.	\$ 165.00	3.50	\$ 577.50
11/09/2009	Hansen	Discussion with B. Twellman re: Insurance	\$ 500.00	0.60	\$ 300.00
11/09/2009	Hansen	Discussion with B. Twellman/research re:	\$ 500.00	0.40	\$ 200.00
11/09/2009	Twellman	create 65th percentile portfolio numbers for insurance meeting.	\$ 330.00	2.40	\$ 792.00
11/10/2009	Forrester	Run scenario based on 10yr CF's without discounting for Insurance Analysis.	\$ 165.00	3.80	\$ 627.00

11/10/2009	Forrester	Run scenario based on 10yr CF's with discounting for Insurance Analysis.	\$ 165.00	3.30	\$ 544.50
11/10/2009	Forrester	Update 10 yr site write-ups with new graphs and numbers.	\$ 165.00	2.40	\$ 396.00
11/10/2009	Hansen	Develop conceptual analysis of insurance and	\$ 500.00	1.20	\$ 600.00
11/10/2009	Hansen	Review results of Insurance underwriting analysis	\$ 500.00	1.40	\$ 700.00
11/10/2009	Twellman	create presentation for Insurance meetings	\$ 330.00	1.80	\$ 594.00
11/10/2009	Twellman	create and QC 65th percentile portfolio numbers for Insurance meeting.	\$ 330.00	2.60	\$ 858.00
11/10/2009	Twellman	create sensitivities for various inflation and discount scenarios for Insurance meeting.	\$ 330.00	2.20	\$ 726.00
11/11/2009	Forrester	Run new 10yr scenarios, with alternative inflation rates.	\$ 165.00	3.80	\$ 627.00
11/11/2009	Forrester	Work on updating graphs for Insurance presentation.	\$ 165.00	3.50	\$ 577.50
11/11/2009	Forrester	Begin to create new scenario based on cash flows from years 11-30.	\$ 165.00	3.00	\$ 495.00
11/11/2009	Hansen	Review presentation for Insurance markets,	\$ 500.00	1.20	\$ 600.00
11/11/2009	Twellman	revise presentations for insurance markets	\$ 330.00	0.90	\$ 297.00
11/12/2009	Forrester	Work on new scenario based on cash flows from Yrs 11-30.	\$ 165.00	4.00	\$ 660.00
11/12/2009	Forrester	Update graphs and site write ups.	\$ 165.00	3.30	\$ 544.50
11/12/2009	Forrester	Work on PP slides for Insurance presentation.	\$ 165.00	2.20	\$ 363.00
11/12/2009	Hansen	Review insurance presentation and comments	\$ 500.00	1.50	\$ 750.00
11/12/2009	Marlowe	GM - ML Insurance presentation review	\$ 390.00	0.50	\$ 195.00
11/12/2009	Twellman	revise QC inflation only numbers for insurance meetings	\$ 330.00	0.70	\$ 231.00
11/12/2009	Twellman	revise insurance presentation slides and dtrees for 10 yrs only	\$ 330.00	2.10	\$ 693.00
11/13/2009	Forrester	Insurance funding analysis.	\$ 165.00	1.30	\$ 214.50
11/13/2009	Hansen	Review Insurance presentation and comment	\$ 500.00	0.50	\$ 250.00
11/13/2009	Hansen	Prepare for Insurance/Other meetings next week w/ & w/o Brian T.	\$ 500.00	4.30	\$ 2,150.00
11/13/2009	Hansen	Prep. Phone call for Insurance meetings w/ J. Redwine et al	\$ 500.00	1.50	\$ 750.00
11/15/2009	Twellman	call to discuss insurance meeting slides and results table	\$ 330.00	1.10	\$ 363.00
11/15/2009	Twellman	create and QC matrix of results for meeting	\$ 330.00	2.00	\$ 660.00
11/15/2009	Twellman	create SiR slide for Insurance meeting	\$ 330.00	1.40	\$ 462.00
11/16/2009	Hansen	Preparation for meeting in New Orleans re: ins coverage	\$ 500.00	2.00	\$ 1,000.00
11/16/2009	Hansen	Meeting in New Orleans re: ins coverage	\$ 500.00	2.50	\$ 1,250.00
11/16/2009	Twellman	premium estimate schedule for George	\$ 330.00	1.50	\$ 495.00
11/16/2009	Twellman	create inflated only for baseline numbers for first 10 years	\$ 330.00	2.60	\$ 858.00
12/18/2009	Hansen	Phone call with Merrill Lynch/Blackstone re: Trust management and investing	\$ 500.00	0.80	\$ 400.00
12/18/2009	Twellman	Insurance analysis and portfolio results for all scenarios	\$ 330.00	2.20	\$ 726.00
12/21/2009	Hansen	Review/comments on Insurance/Trust discussion	\$ 500.00	1.60	\$ 800.00
12/22/2009	Twellman	Create portfolio results for all scenarios for insurance	\$ 330.00	2.20	\$ 726.00
12/28/2009	Twellman	Update portfolio results for all scenarios for insurance	\$ 330.00	1.80	\$ 528.00
12/29/2009	Twellman	Update portfolio results for all scenarios for insurance	\$ 330.00	1.80	\$ 594.00
01/04/2010	Hansen	Review and comment on outline of Insurance SOWs	\$ 500.00	0.20	\$ 100.00
01/04/2010	Hansen	Review and comment on Draft MLC / Govt term sheet	\$ 500.00	1.30	\$ 650.00
01/04/2010	Hansen	Phone call with D. McMurtry, J. Redwine, L. McBurney, D. Berz, M. Hashem, S. Miner re: Term Sheet/Insurance Attachments	\$ 500.00	1.20	\$ 600.00
01/05/2010	Hansen	Review Gov't analysis	\$ 500.00	0.50	\$ 250.00
01/05/2010	Hansen	Discuss Gov't analysis/calculations with B. Twellman	\$ 500.00	0.40	\$ 200.00
01/05/2010	Hansen	Review and comment on Draft MLC/Govt term sheet	\$ 500.00	1.10	\$ 550.00
01/06/2010	Hansen	Review insurance carrier questions and prepare specific responses	\$ 500.00	0.90	\$ 450.00
01/06/2010	Hansen	Prepare for Insurance meeting	\$ 500.00	4.70	\$ 2,350.00
01/08/2010	Hansen	Review tasks, analyses from Insurance meeting	\$ 500.00	3.50	\$ 1,750.00
01/11/2010	Hansen	Phone call with D. Berz re: Insurance	\$ 500.00	0.40	\$ 200.00
01/11/2010	Hansen	Phone call with D. Berz, T. Morrow re: Insurance	\$ 500.00	0.30	\$ 150.00
01/12/2010	Hansen	Review insurance due diligence scope of work and comment	\$ 500.00	0.70	\$ 350.00
01/14/2010	Hansen	Prepare for phone call re: comparison of MLC/Government analyses	\$ 500.00	0.70	\$ 350.00
01/14/2010	Hansen	Discussion of Chartis questions with B. Twellman	\$ 500.00	0.20	\$ 100.00
01/14/2010	Hansen	Phone call with XL	\$ 500.00	0.10	\$ 50.00
01/22/2010	Hansen	Respond to Chartis insurance request	\$ 500.00	0.30	\$ 150.00
01/25/2010	Hansen	Organize, prepare for conference call with Zurich, Chartis	\$ 500.00	1.70	\$ 850.00
01/05/2010	Twellman	prepare insurance portfolio result package for XL meeting	\$ 330.00	1.60	\$ 528.00
01/05/2010	Twellman	10 yr sensitivity analysis for insurance	\$ 330.00	1.50	\$ 495.00
01/06/2010	Twellman	prepare insurance portfolio result package for XL meeting	\$ 330.00	1.80	\$ 594.00
01/06/2010	Twellman	10 yr sensitivity analysis for insurance	\$ 330.00	1.60	\$ 528.00
01/06/2010	Twellman	review and comment on XL portfolio analysis questions	\$ 330.00	0.80	\$ 264.00
01/07/2010	Twellman	prepare and send dtrees and portfolio analysis for XL insurance	\$ 330.00	1.10	\$ 363.00
01/12/2010	Twellman	update insurance 10 yr sensitivity analysis package for call.	\$ 330.00	1.80	\$ 594.00
01/13/2010	Twellman	review and update 10 yr sensitivity Insurance analysis	\$ 330.00	1.00	\$ 330.00
01/14/2010	Twellman	review and update Insurance slides and sensitivity analysis	\$ 330.00	2.00	\$ 660.00
01/18/2010	Twellman	review Chartis insurance questions and draft preliminary responses	\$ 330.00	1.40	\$ 462.00
01/19/2010	Twellman	review Chartis insurance questions and meet w Ghansen RE: responses	\$ 330.00	1.50	\$ 495.00
01/21/2010	Twellman	prepare dtree models for Chartis	\$ 330.00	1.00	\$ 330.00
01/22/2010	Twellman	prepare Chartis package of portfolio analysis and dtree models for insurance	\$ 330.00	1.20	\$ 396.00
01/25/2010	Twellman	Call w CHARTIS to discuss data needs.	\$ 330.00	1.00	\$ 330.00
01/25/2010	Twellman	Review Zurich Insurance presentation.	\$ 330.00	0.50	\$ 165.00
Insurance Analysis/Presentations Cost Analysis Total				132.40	\$ 43,676.00
Presentations/Communications with Stakeholders Cost Analysis					
10/22/2009	Deems	review draft overview of decision tree	\$ 500.00	0.20	\$ 100.00
10/22/2009	Hansen	Overview memo	\$ 500.00	1.70	\$ 850.00
10/26/2009	Hansen	Revise draft overview document	\$ 500.00	0.70	\$ 350.00
10/27/2009	Hansen	Discount rate memo, including discussion	\$ 500.00	1.20	\$ 600.00
10/28/2009	Hansen	Comments on summary presentation	\$ 500.00	0.30	\$ 150.00
10/28/2009	Hansen	Review/update overview document	\$ 500.00	0.40	\$ 200.00
10/29/2009	Hansen	Decision trees and comments from Arcadis/LFR/others	\$ 500.00	2.00	\$ 1,000.00
10/29/2009	Hansen	Prepare for phone call with DOJ	\$ 500.00	0.50	\$ 250.00
10/29/2009	Hansen	Review of site analyses	\$ 500.00	2.80	\$ 1,400.00
10/23/2009	Killian	6 sites prob analysis, and McM presentation	\$ 450.00	1.80	\$ 810.00
10/26/2009	Killian	presentation of prob cost analysis results	\$ 450.00	1.20	\$ 540.00
10/23/2009	Twellman	slides for presentation	\$ 330.00	2.00	\$ 660.00
10/29/2009	Twellman	prep and call w DOJ consultants	\$ 330.00	2.60	\$ 858.00
10/31/2009	Twellman	npv write up	\$ 330.00	1.90	\$ 627.00
10/31/2009	Twellman	revise overview memo	\$ 330.00	1.30	\$ 429.00
11/04/2009	Hansen	Phone call w/ G. Koch	\$ 500.00	0.10	\$ 50.00
11/04/2009	Killian	IDEM package, prep for call with Brattle	\$ 450.00	1.80	\$ 810.00

11/04/2009	Tweliman	update slides for Indiana meeting	\$ 330.00	1.70	\$ 561.00
11/05/2009	Hansen	Phone call w/ IDEM	\$ 500.00	1.80	\$ 900.00
11/05/2009	Hansen	Prepare for and phone call w/ DOJ, Brattle	\$ 500.00	1.20	\$ 600.00
11/05/2009	Hansen	Phone call w/ NJDEP re: Hyatt Clark	\$ 500.00	1.00	\$ 500.00
11/05/2009	Killian	call with Brattle re portfolio analysis	\$ 450.00	1.20	\$ 540.00
11/05/2009	Tweliman	call with Brattle to discuss portfolio approach	\$ 330.00	0.70	\$ 231.00
11/05/2009	Tweliman	IDEM meeting prep and conf call	\$ 330.00	2.20	\$ 726.00
11/06/2009	Hansen	Communications with Gayle Koch re adjustment	\$ 500.00	0.20	\$ 100.00
11/10/2009	Hansen	Preparation call for NY/Moraine site reviews	\$ 500.00	3.30	\$ 1,650.00
11/10/2009	Tweliman	create attachments for L/M/H memo	\$ 330.00	0.70	\$ 231.00
11/11/2009	Hansen	Preparation call for MI/NJ site reviews	\$ 500.00	3.20	\$ 1,600.00
11/11/2009	Tweliman	revise exec summary memo RE: NPV and attachments	\$ 330.00	2.60	\$ 858.00
11/16/2009	Hansen	Preparation for meeting with NYDEC re: New York site cost estimates	\$ 500.00	4.00	\$ 2,000.00
11/16/2009	Hansen	Meeting with NYDEC re: New York site cost estimates	\$ 500.00	4.50	\$ 2,250.00
11/18/2009	Hansen	Preparation for meeting with Ohio EPA re: Ohio site estimates	\$ 500.00	3.70	\$ 1,850.00
11/18/2009	Hansen	Meeting with Ohio EPA re: Ohio site estimates	\$ 500.00	4.10	\$ 2,050.00
11/19/2009	Hansen	Review / summarize Ohio estimates	\$ 500.00	3.20	\$ 1,600.00
11/19/2009	Hansen	Phone call w/ Brattle group	\$ 500.00	0.50	\$ 250.00
11/19/2009	Tweliman	phone call w Brattle to discuss Buick Cty questions.	\$ 330.00	1.30	\$ 429.00
11/19/2009	Tweliman	Region 2 prep conf call	\$ 330.00	2.00	\$ 660.00
11/20/2009	Hansen	Meeting with NY DHEC and EPA Region 2 re: NY sites	\$ 500.00	3.20	\$ 1,600.00
11/21/2009	Tweliman	prepare supporting schedules for dtree models to send to Brattle	\$ 330.00	1.20	\$ 396.00
11/21/2009	Tweliman	qc and send dtree models to Brattle	\$ 330.00	2.20	\$ 726.00
11/22/2009	Hansen	Communication with Brattle re: updates and	\$ 500.00	0.75	\$ 375.00
11/22/2009	Tweliman	qc and send dtree models to Brattle	\$ 330.00	2.40	\$ 792.00
11/22/2009	Tweliman	updated MI presentation slides	\$ 330.00	1.60	\$ 528.00
11/23/2009	Hansen	Prepare for conference call w/ MDEQ	\$ 500.00	1.50	\$ 750.00
11/23/2009	Hansen	Conference call w/ MDEQ	\$ 500.00	3.20	\$ 1,600.00
11/30/2009	Hansen	Prep. call for Region 5 meeting	\$ 500.00	1.10	\$ 550.00
11/30/2009	Hansen	Phone call w/ G. Koch	\$ 500.00	0.10	\$ 50.00
11/30/2009	Hansen	Prepare for Region 5 meeting	\$ 500.00	0.80	\$ 400.00
12/1/2009	Hansen	Prepare for Region 5 meeting	\$ 500.00	4.50	\$ 2,250.00
12/1/2009	Hansen	Prepare for Region 5 meeting	\$ 500.00	3.50	\$ 1,750.00
12/1/2009	Tweliman	Prepare materials for Region 5 meeting	\$ 330.00	2.30	\$ 759.00
12/2/2009	Hansen	Preparation for Region 5 meeting	\$ 500.00	3.00	\$ 1,500.00
12/2/2009	Hansen	Region 5 meeting	\$ 500.00	3.50	\$ 1,750.00
12/2/2009	Tweliman	Prepare materials for Region 5 meeting	\$ 330.00	2.20	\$ 726.00
12/7/2009	Hansen	Prepare for and phone call w/ Greg B.	\$ 500.00	0.50	\$ 250.00
12/7/2009	Hansen	Phone call w/ Greg B. (Brattle) re: Region 5/MI sites	\$ 500.00	0.60	\$ 300.00
12/7/2009	Tweliman	Prepare and phone call w Brattle	\$ 330.00	1.80	\$ 594.00
12/8/2009	Tweliman	Review and update MI decision trees.	\$ 330.00	2.20	\$ 726.00
12/10/2009	Hansen	Communication with G. Brusseau re: MI sites	\$ 500.00	0.20	\$ 100.00
12/11/2009	Hansen	Prepare for calls with Brattle	\$ 500.00	1.30	\$ 650.00
12/11/2009	Hansen	Phone call with D. McMurtry and Gayle Koch re: portfolio analysis approach	\$ 500.00	0.40	\$ 200.00
12/11/2009	Hansen	Conference call w/ Brattle re: MDEQ sites	\$ 500.00	1.20	\$ 600.00
12/11/2009	Tweliman	Prepare and phone calls w Brattle	\$ 330.00	1.75	\$ 577.50
12/15/2009	Tweliman	Review and update memo for updated statistics/graphs.	\$ 330.00	1.80	\$ 594.00
12/16/2009	Hansen	MDEQ conference call	\$ 500.00	5.80	\$ 2,900.00
12/16/2009	Hansen	MDEQ de-brief with J. Redwine, D. McMurtry	\$ 500.00	0.80	\$ 400.00
12/17/2009	Hansen	Phone call re: MDEQ follow-up	\$ 500.00	0.50	\$ 250.00
12/18/2009	Hansen	Phone calls with G. Koch, G. Brusseau re: Brattle Analysis	\$ 500.00	0.70	\$ 350.00
12/18/2009	Tweliman	Prepare and phone calls w Brattle	\$ 330.00	1.60	\$ 528.00
12/20/2009	Tweliman	Brattle reconciliation and presentation	\$ 330.00	2.00	\$ 660.00
12/21/2009	Hansen	Call with DOJ/Treasury (Redwine, Berz, McMurtry, Schwartz, Brattle, Dowd, Tennenbaum, et al.)	\$ 500.00	2.50	\$ 1,250.00
12/21/2009	Hansen	Prepare for meeting with DOJ / UST	\$ 500.00	4.00	\$ 2,000.00
12/21/2009	Killian	preparation for responding to Brattle	\$ 450.00	0.30	\$ 135.00
12/21/2009	Tweliman	Brattle reconciliation and presentation	\$ 330.00	2.10	\$ 693.00
12/23/2009	Hansen	Meeting with US Treasury, EPA, DOJ, MLC	\$ 500.00	2.40	\$ 1,200.00
12/28/2009	Tweliman	Brattle reconciliation drees w EV	\$ 330.00	2.10	\$ 693.00
12/29/2009	Tweliman	Brattle reconciliation drees w EV	\$ 330.00	1.60	\$ 528.00
12/29/2009	Tweliman	Prepare and meeting w team RE: gov't calls	\$ 330.00	1.30	\$ 429.00
01/07/2010	Hansen	Meeting with XL Insurance and MLC Team (Redwine, McMurtry, Rothchild, Gaito, Barnett, AON)	\$ 500.00	8.50	\$ 4,250.00
01/28/2010	Hansen	Meet with Ace underwriters in NYC (with Redwine, McMurtry, Aon, Rothchild, Gaito) and follow-up discussions	\$ 500.00	8.30	\$ 4,150.00
01/06/2010	Menees	Review and comment on draft presentation to MDEQ	\$ 295.00	1.30	\$ 383.50
01/08/2010	Menees	Teleconference with MLC team and MDEQ staff re Willow Run site	\$ 295.00	3.20	\$ 944.00
01/08/2010	Menees	Follow-up with Claro staff re MDEQ teleconference	\$ 295.00	0.40	\$ 118.00
Presenations/Communications with Stakeholders Cost Analysis Total				163.90	\$ 72,275.00

Steering Committee & Project Management Cost Analysis

10/01/2009	Hansen	Conference call on sites (Willow Run	\$ 500.00	1.50	\$ 750.00
10/02/2009	Hansen	follow-up discussions on scheduling, probabilistic	\$ 500.00	0.80	\$ 400.00
10/02/2009	Hansen	d-tree approach in other bankruptcy proceedings	\$ 500.00	2.50	\$ 1,250.00
10/02/2009	Hansen	Follow up discussions on scheduling, probabilistic	\$ 500.00	0.80	\$ 400.00
10/05/2009	Hansen	Call w/ A. Rothschild / D. McMurtry re: unknown	\$ 500.00	0.30	\$ 150.00
10/06/2009	Hansen	Call w/ Rothschild / D. McMurtry re: non-decision	\$ 500.00	0.30	\$ 150.00
10/08/2009	Hansen	Phone call w/ S. Gaito and B. Tweliman re: DIP	\$ 500.00	0.50	\$ 250.00
10/12/2009	Hansen	Phone call w/ D. McMurtry re: approach & timing	\$ 500.00	0.60	\$ 300.00
10/15/2009	Hansen	Prepare for and phone call w/ N. Gillotti	\$ 500.00	0.80	\$ 400.00
10/22/2009	Hansen	Team discussion re: deliverables, schedule	\$ 500.00	0.20	\$ 100.00
10/22/2009	Hansen	Phone call w/ McMurtry, J. Redwine and other	\$ 500.00	1.00	\$ 500.00
10/23/2009	Hansen	Phone call review of QC results and next steps	\$ 500.00	0.70	\$ 350.00
10/26/2009	Hansen	Discussion of various potential additional	\$ 500.00	0.50	\$ 250.00
10/27/2009	Hansen	Review reorganization plan overview documents	\$ 500.00	0.10	\$ 50.00
10/27/2009	Hansen	Phone call with D. McMurtry re: deadlines	\$ 500.00	0.30	\$ 150.00
10/28/2009	Hansen	Phone calls with D. McMurtry re: timing	\$ 500.00	0.30	\$ 150.00
10/28/2009	Hansen	Phone call with J. Redwine et al.	\$ 500.00	2.20	\$ 1,100.00
10/30/2009	Hansen	Phone call with D. McMurtry re: Discount rate	\$ 500.00	0.30	\$ 150.00
10/30/2009	Hansen	Communications with J. Redwine/D. McMurtry	\$ 500.00	0.30	\$ 150.00

10/30/2009	Hansen	Various discussions with B. Twellman re: potential	\$ 500.00	0.50 \$	250.00
10/30/2009	Hansen	Meeting with B. Twellman re: QC review/public	\$ 500.00	0.50 \$	250.00
10/09/2009	Killian	discussion with Redwine re insurance and d-trees	\$ 450.00	0.30 \$	135.00
10/01/2009	Menees	Teleconference discussion re selected GM sites	\$ 295.00	2.50 \$	737.50
10/08/2009	Twellman	conf call w GGH and Steve Gailto RE: MLC	\$ 330.00	0.20 \$	66.00
11/04/2009	Hansen	Review meeting schedule	\$ 500.00	0.20 \$	100.00
11/04/2009	Hansen	Communications w/ Jim Redwine re: portfolio approach	\$ 500.00	0.50 \$	250.00
11/04/2009	Hansen	Phone call w/ Jim Redwine and D. McMurtry re: discount rate	\$ 500.00	0.50 \$	250.00
11/09/2009	Hansen	Phone call on team lessons learned	\$ 500.00	1.00 \$	500.00
11/11/2009	Hansen	Phone calls with D. McMurtry	\$ 500.00	0.30 \$	150.00
11/12/2009	Hansen	Planning phone call with J. Redwine et al.	\$ 500.00	1.10 \$	550.00
11/18/2009	Hansen	Follow up communications	\$ 500.00	2.70 \$	1,350.00
11/19/2009	Hansen	Preparation meeting re: Region 2 presentation	\$ 500.00	3.50 \$	1,750.00
11/20/2009	Hansen	Prepare for meeting with NY DHEC and EPA Region 2 re: NY sites	\$ 500.00	1.30 \$	650.00
11/20/2009	Hansen	Communications with B. Twellman re: updated	\$ 500.00	0.80 \$	400.00
11/20/2009	Twellman	call w George to discuss updated dtees and numbers	\$ 330.00	0.70 \$	231.00
11/21/2009	Hansen	Communication with D. McMurtry/B. Twellman re:	\$ 500.00	1.50 \$	750.00
11/23/2009	Hansen	Follow-up communications	\$ 500.00	2.30 \$	1,150.00
11/23/2009	Twellman	conf call to discuss willow and buick updates	\$ 330.00	0.80 \$	264.00
11/24/2009	Hansen	Phone call w/ A. Rothschild, S. Gailto re: status of	\$ 500.00	0.80 \$	400.00
11/24/2009	Killian	project management	\$ 450.00	0.60 \$	270.00
11/24/2009	Twellman	call w Arcadis RE: categorization of site status. review schedule of status	\$ 330.00	1.20 \$	396.00
11/29/2009	Hansen	Communications with J. Redwine/D. McMurtry re:	\$ 500.00	0.60 \$	300.00
12/4/2009	Hansen	Communications with D. McMurtry re: government analysis	\$ 500.00	0.60 \$	300.00
12/4/2009	Hansen	Communications with D. McMurtry/J. Redwine, B. Twellman re: sensitivity analysis of post closure O&M duration	\$ 500.00	0.70 \$	350.00
12/7/2009	Hansen	MLC Status call w/ LFR	\$ 500.00	1.20 \$	600.00
12/8/2009	Hansen	Call with J. Redwine, D. McMurtry re: MI sites	\$ 500.00	0.90 \$	450.00
12/8/2009	Hansen	Communications with M. Hashem, P. Barnett re: MI sites	\$ 500.00	1.20 \$	600.00
12/10/2009	Hansen	Call with Dave M. re: portfolio analysis approach (and gov't review of it)	\$ 500.00	0.50 \$	250.00
12/11/2009	Killian	discussing Brattle issues w Brian T.	\$ 450.00	0.40 \$	180.00
12/18/2009	Hansen	Phone call with J. Redwine, D. McMurtry, D. Berz, M. Hashem re: Michigan sites	\$ 500.00	0.70 \$	350.00
12/18/2009	Hansen	Phone call with J. Redwine, D. McMurtry, D. Berz, M. Hashem, P. Martin, L. McBurney, S. Gailto re:	\$ 500.00	0.80 \$	400.00
12/18/2009	Hansen	Team Status Update	\$ 500.00	2.80 \$	1,400.00
12/19/2009	Hansen	Phone call with D. McMurtry, Gailto re: Superfund analysis	\$ 330.00	1.00 \$	330.00
12/20/2009	Twellman	Presentation and table of site differences	\$ 500.00	1.10 \$	550.00
12/21/2009	Hansen	Phone call with J. Redwine, D. Berz, D. McMurtry re: DOJ call	\$ 500.00	0.20 \$	100.00
12/21/2009	Hansen	Call with J. Redwine, D. Berz, D. McMurtry re DOJ follow up items	\$ 500.00	12.50 \$	6,250.00
12/22/2009	Hansen	Meeting with Al Koch, D. Berz, J. Redwine, D. McMurtry, G. Shilz, Ken Ayers, Ted Stenger, re: meeting with US Treasury (8:30am - 7:00pm)	\$ 500.00	1.20 \$	600.00
12/23/2009	Hansen	Prepare for Meeting with US Treasury (Berz, Redwine, Koch, Stenger, Aon, McMurtry)	\$ 500.00	3.80 \$	1,900.00
12/23/2009	Hansen	Review results of meeting w/ UST, EPA, DOJ	\$ 500.00	0.50 \$	250.00
12/28/2009	Hansen	Phone call with D. McMurtry on schedule/tasks	\$ 500.00	0.60 \$	300.00
12/28/2009	Hansen	Phone call with D. McMurtry, R. Menees, LFR re: Buick City	\$ 500.00	0.70 \$	350.00
12/29/2009	Hansen	Meet w/ B. Twellman re: upcoming tasks, debrief on meetings, review of government proposed costs	\$ 450.00	0.30 \$	135.00
01/21/2010	Killian	discussion w counsel re allocation model	\$ 500.00	0.30 \$	150.00
01/04/2010	Hansen	Review status of activities	\$ 500.00	0.70 \$	350.00
01/04/2010	Hansen	Phone call w/ D. McMurtry re: activity planning	\$ 500.00	2.80 \$	1,400.00
01/05/2010	Hansen	Review documents in advance and participate in phone call preparation for meeting with XL (J. Redwine, D. McMurtry, S. Milner, A. Rothschild, P. Barnett	\$ 500.00	0.50 \$	250.00
01/05/2010	Hansen	Review financial rates, updated	\$ 500.00	0.80 \$	300.00
01/11/2010	Hansen	Review Insurance and other discussions with B. Twellman, discuss near-term tasks	\$ 500.00	0.20 \$	100.00
01/11/2010	Hansen	Phone call with D. McMurtry re: tasks	\$ 500.00	0.50 \$	250.00
01/12/2010	Hansen	XL conference call with D. McMurtry, J. Redwine, G. Shilz, XL	\$ 500.00	0.20 \$	100.00
01/12/2010	Hansen	Phone call with M. Hashem re: MI meeting	\$ 500.00	0.90 \$	450.00
01/13/2010	Hansen	Review monthly budget estimate for February	\$ 500.00	0.20 \$	100.00
01/13/2010	Hansen	Phone call with D. McMurtry	\$ 500.00	2.60 \$	1,300.00
01/14/2010	Hansen	Phone call re: comparison of MLC and government analyses (Redwine, Berz, Goslyn, McMurtry, Hashem, LFR)	\$ 500.00	0.50 \$	250.00
01/14/2010	Hansen	February fee estimate communication review	\$ 500.00	1.70 \$	850.00
01/22/2010	Hansen	Prepare and Phone call with J. Redwine, P. Barnett, B. Twellman, D. McMurtry, R. Kapp re: Massena volume estimates	\$ 500.00	1.60 \$	800.00
01/25/2010	Hansen	Prepare for and phone call on groundwater approach for Massena (w/ Ray Kapp, D. McMurtry	\$ 500.00	0.80 \$	400.00
01/28/2010	Hansen	Review open tasks	\$ 500.00	1.20 \$	600.00
01/29/2010	Hansen	Scoping for SIR erosion tracking approach	\$ 330.00	2.00 \$	660.00
01/14/2010	Twellman	call w McMurtry, Redwine, Hashem, Hansen RE: Brattle and MLC differences	\$ 330.00	1.00 \$	330.00
01/19/2010	Twellman	prepare dtee model differences for McMurtry, Hashem, Gailto, Hansen	\$ 330.00		
Steering Committee & Project Management Cost Analysis Total					88.60 \$ 42,534.50

Fee Application & Other Job Administration Cost Analysis

11/09/2009	Killian	admin/billing	\$ 450.00	0.20 \$	90.00
11/12/2009	La Porte	Create core setup files for submission to trustee;	\$ 260.00	3.50 \$	910.00
11/16/2009	Deems	Attention to preparation of first interim fee application	\$ 500.00	1.50 \$	750.00
11/16/2009	Killian	fee application w/Russell and Deems	\$ 450.00	0.40 \$	180.00
11/17/2009	Chambers	Assist General Counsel with creating fee application	\$ 110.00	3.00 \$	330.00
11/17/2009	Deems	prepare fee application and supporting materials	\$ 500.00	2.00 \$	1,000.00
11/17/2009	Deems	review various BK court orders and guidelines re	\$ 500.00	0.50 \$	250.00
11/17/2009	Deems	conf with Weil GOfshall re fee application and	\$ 500.00	0.50 \$	250.00
11/17/2009	Killian	fee application	\$ 450.00	0.30 \$	135.00
11/18/2009	Killian	fee application	\$ 450.00	1.10 \$	495.00
11/19/2009	Killian	fee application	\$ 450.00	0.40 \$	180.00
11/20/2009	Killian	fee application	\$ 450.00	0.30 \$	135.00
11/20/2009	Twellman	fee application documents	\$ 330.00	2.60 \$	858.00
11/24/2009	Twellman	fee application	\$ 330.00	1.00 \$	330.00
12/4/2009	Killian	job administration	\$ 450.00	0.20 \$	90.00
12/8/2009	Killian	job administration (review RM's Invoice)	\$ 450.00	0.30 \$	135.00
12/18/2009	Killian	administrative/review of prebill	\$ 450.00	0.30 \$	135.00
12/22/2009	Twellman	Project administration. Organize time and activity files by person.	\$ 330.00	1.00 \$	330.00

12/29/2009	Hansen	Organize files, project administration	\$ 500.00	0.80	\$ 400.00
12/30/2009	Killian	Job administration	\$ 450.00	0.20	\$ 90.00
12/30/2009	Tweliman	Project administration. Organize time and activity files by person.	\$ 330.00	1.60	\$ 528.00
12/31/2009	Tweliman	Project administration. Month end close.	\$ 330.00	1.50	\$ 495.00
01/04/2010	Killian	project management	\$ 450.00	0.40	\$ 180.00
01/08/2010	Killian	project management/fee application budget	\$ 450.00	0.30	\$ 135.00
01/12/2010	Killian	Project management / fee application	\$ 450.00	0.40	\$ 180.00
01/13/2010	Killian	Project management / fee application	\$ 450.00	0.50	\$ 225.00
01/11/2010	Tweliman	prepare monthly projection for Fee Examiner	\$ 330.00	1.00	\$ 330.00
01/15/2010	Tweliman	prepare Claro projection document to Fee Examiner	\$ 330.00	1.00	\$ 330.00
Fee Application & Other Job Administration Cost Analysis Total				26.00	\$ 9,476.00
Grand Total				2,119.75	\$ 652,010.50

EXHIBIT E

THE CLARO GROUP, LLC
Douglas H. Deems
777 S. Figueroa Street, Suite 4050
Los Angeles, CA 90017
(213) 784-0190 (Telephone)
(213) 452-6556 (Facsimile)

Environmental Management Consultants to the Debtor

UNITED STATES BANKRUPTCY COURT
SOUTHERN DISTRICT OF NEW YORK

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	:
In re	:
	:
MOTORS LIQUIDATION COMPANY, et al.,	:
f/k/a General Motors Corp., et al.	:
	:
Debtors.	:
	:
-----X	

Chapter 11 Case No.
09-50026 (REG)
(Jointly Administered)

CERTIFICATION OF DOUGLAS H. DEEMS

I, Douglas H. Deems certify as follows:

1. I am a Managing Director of The Claro Group, LLC ("Claro"). I submit this certification with respect to the Second Interim Application (the "Fee Application") of Claro, environmental management consultants to Motors Liquidation Company (f/k/a General Motors Corporation) ("GM") and its affiliated debtors, as debtors in possession (collectively, the "Debtors"), for allowance of compensation for professional services rendered and reimbursement of actual and necessary expenses incurred for the period October 1, 2009 through January 31, 2010.

2. I make this certification in accordance with General Order M-151, Amended Guidelines for Fees and Disbursements for Professionals in the Southern District of New York Bankruptcy Cases, adopted by the United States Bankruptcy Court for the Southern District of New York on April 19, 1995 (the “Local Guidelines”). In connection therewith, I hereby certify that:

- a. I have read the Fee Application;
- b. to the best of my knowledge, information, and belief formed after reasonable inquiry, the fees and disbursements sought in the Fee Application fall within the Local Guidelines and the UST Guidelines;
- c. the fees and disbursements sought are charged in accordance with practices customarily employed by Claro and generally accepted by Claro’s clients; and
- d. in providing a reimbursable service and other than in connection with two independent contractors who have charged time on this matter,¹ Claro does not make a profit on that service, whether the service is performed by Claro in-house or through a third party.

3. As required by Section B. 2 of the Local Guidelines, I certify that all of Claro’s Monthly Statements were sent to (i) the Debtors; (ii) counsel for the Debtors; (iii) counsel to the Creditors’ Committee; and (iv) Office of the United States Trustee for the Southern District of New York.

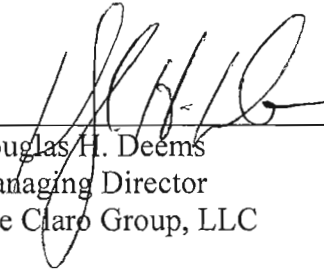
4. As required by Section B. 3 of the Local Guidelines, I certify that (i) the Debtors; (ii) counsel for the Debtors; (iii) counsel to the Creditors’ Committee; and (iv) Office of the United States Trustee for the Southern District of New York will each be provided with a copy

¹ In connection with a portion of the services described in this Fee Application and consistent with Claro’s standard practices, Claro is charging a mark up on two independent contractors who have charged time on this engagement (only one of whom has a material, ongoing role).

of this Fee Application by counsel for the Debtors at least ten (10) days in advance of the hearing to consider the Fee Application.

5. I certify the foregoing to be true and correct.

Dated: Los Angeles, California
March 17, 2010



Douglas H. Deems
Managing Director
The Claro Group, LLC